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UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Research Service

Dairy-Herd-Improvement-Association Letter ARS-52-26
(Vol. 32, No. 2)
February 1956

NUMBER OF COWS ON TEST IN DAIRY-HERD-IMPROVEMENT ASSOCIATIONS INCREASING

A new record has been established in the number of cows on test in Dairy-Herd-Improvement Associations. On January 1, 1956, there were 1,406,306 cows on test. This is 72,440, or 5.4 percent, more cows than were on test January 1, 1955.

While the number of cows on test has increased, the number of associations and the number of herds have slightly decreased. On January 1, 1956, there were 2,266 associations in operation, with 40,984 herds enrolled. Compared with January 1, 1955, this is a decrease of 22, or 1 percent, in number of associations and a decrease of 256, or .6 percent, in number of herds on test.

California leads the States in number of cows under the standard plan of testing with 215,201, or 23.2 percent, of the cows in the State on test.

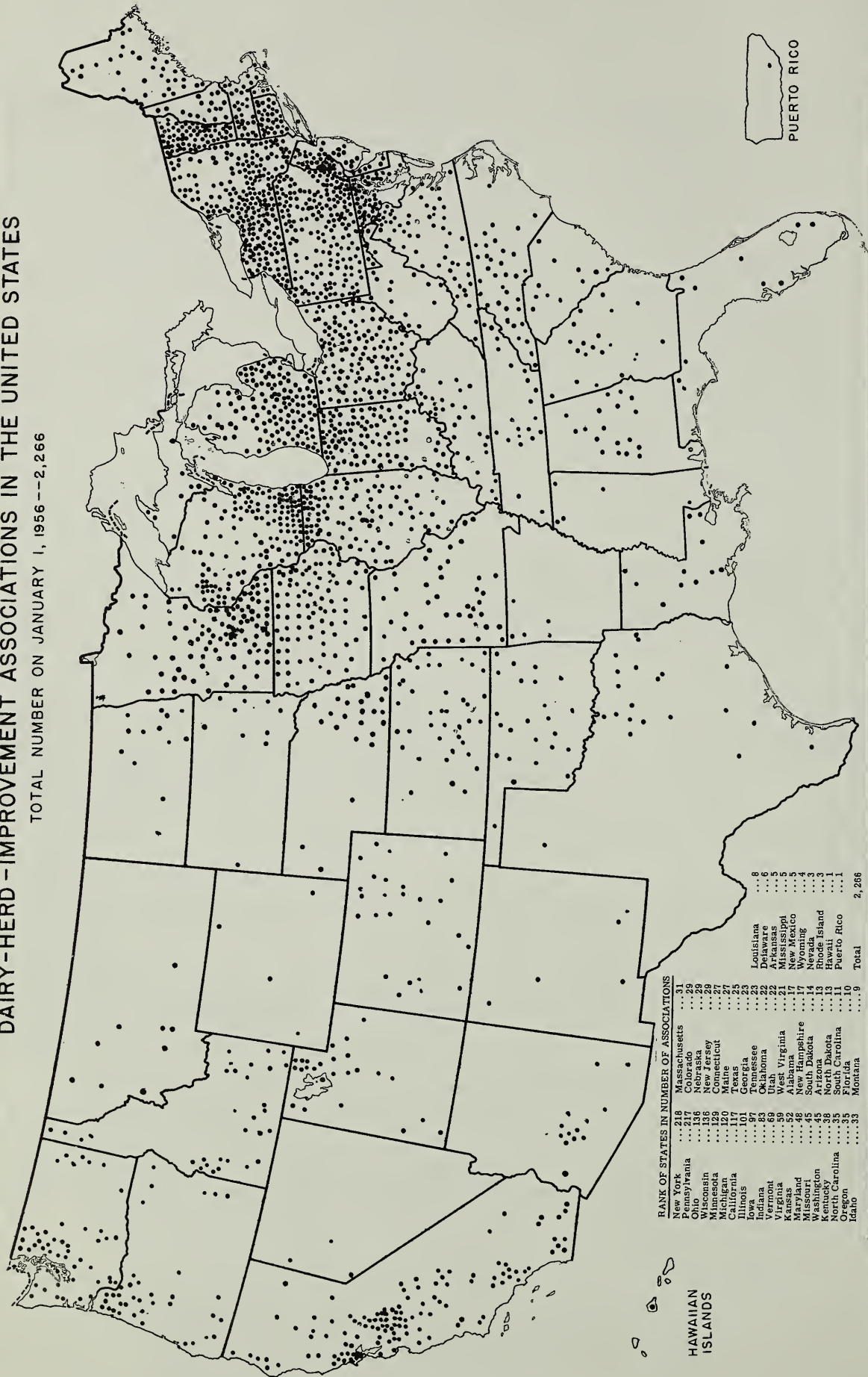
Pennsylvania leads all States in number of herds on test, with 4,971 herds enrolled in the standard plan of testing.

This year, for the first time, herds and cows in the owner-sampler plan of testing are reported. On January 1, 1956, there were 17,110 herds enrolled with 374,479 cows on test.

Data on the status of dairy-herd-improvement association and owner-sampler testing by States are given on the following pages.

DAIRY-HERD-IMPROVEMENT ASSOCIATIONS IN THE UNITED STATES

TOTAL NUMBER ON JANUARY 1, 1956--2,266



RANK OF STATES IN NUMBER OF ASSOCIATIONS

New York	... 218	Massachusetts	... 31
Pennsylvania	... 136	Delaware	... 6
Ohio	... 136	Nebraska	... 5
Wisconsin	... 129	New Jersey	... 5
Minnesota	... 129	Connecticut	... 4
California	... 117	Maine	... 3
Illinois	... 101	Texas	... 3
Iowa	... 97	Georgia	... 23
Missouri	... 69	Tennessee	... 23
Virginia	... 59	Alabama	... 22
Kansas	... 52	West Virginia	... 21
Missouri	... 48	New Hampshire	... 17
Washington	... 45	South Dakota	... 17
Kentucky	... 38	North Dakota	... 13
North Carolina	... 35	South Carolina	... 11
Oregon	... 33	Florida	... 10
Idaho	... 33	Montana	... 9
		Louisiana	... 8
		Delaware	... 6
		Massachusetts	... 5
		Mississippi	... 5
		New Mexico	... 4
		Wyoming	... 4
		Nevada	... 3
		Rhode Island	... 3
		Hawaii	... 1
		Puerto Rico	... 1
		Total	2,266

HAWAIIAN ISLANDS

DAIRY-HERD-IMPROVEMENT ASSOCIATIONS IN THE UNITED STATES
(Active Jan. 1, 1956)

State	: Associa- : tions	: Herds	: Cows	:Average : :cows : :per herd:	Average per association	: Milk cows in United States	1/ in DHIA's
	: Number	: Number	: Number	: Number	: Number	: Number	: Percent
Maine-----	27	580	15,835	27.3	21.5	586	12.7
New Hampshire-----	17	352	11,145	31.7	20.7	656	15.3
Vermont-----	69	1,118	41,069	36.7	16.2	595	12.6
Massachusetts-----	31	586	21,060	35.9	18.9	679	17.1
Rhode Island-----	3	66	2,303	34.9	22.0	768	12.1
Connecticut-----	27	530	20,980	39.6	19.6	777	17.5
New York-----	218	3,911	131,969	33.7	17.9	605	8.7
Pennsylvania-----	217	4,971	131,719	26.5	22.9	607	12.7
New Jersey-----	29	618	26,297	42.6	21.3	907	16.9
Maryland-----	48	947	36,849	38.9	19.7	768	14.7
Delaware-----	6	113	3,472	30.7	18.8	579	9.6
Virginia-----	59	988	46,745	47.3	16.7	792	10.7
West Virginia-----	21	249	7,309	29.4	11.9	348	3.5
Kentucky-----	38	368	11,398	31.0	9.7	300	1.7
North Carolina-----	35	510	18,443	36.2	14.6	527	4.8
South Carolina-----	11	117	6,443	55.1	10.6	586	3.8
Georgia-----	23	269	14,270	53.0	11.7	620	4.3
Florida-----	10	86	11,576	134.6	8.6	1,158	6.0
Alabama-----	17	204	11,868	58.2	12.0	698	3.0
Mississippi-----	5	59	3,041	51.5	11.8	608	.5
Tennessee-----	23	339	11,977	35.3	14.7	521	1.8
Louisiana-----	8	65	3,766	57.9	8.1	471	1.1
Arkansas-----	5	46	1,298	28.2	9.2	260	.3
Ohio-----	136	1,964	46,187	23.5	14.4	340	5.0
Indiana-----	83	1,460	31,724	21.7	17.6	382	5.2
Illinois-----	101	1,931	49,620	25.7	19.1	491	5.7
Michigan-----	120	2,453	58,445	23.8	20.4	487	6.4
Wisconsin-----	136	2,829	88,107	31.1	20.8	648	3.4
Minnesota-----	129	2,928	68,699	23.5	22.7	533	4.4
Iowa-----	97	1,865	43,263	23.2	19.2	446	3.9
Missouri-----	45	680	19,621	28.9	15.1	436	2.1
North Dakota-----	13	176	3,744	21.3	13.5	288	.9
South Dakota-----	14	152	3,730	24.5	10.9	266	1.1
Nebraska-----	29	381	9,290	24.4	13.1	320	2.1
Kansas-----	52	898	21,644	24.1	17.3	416	4.1
Oklahoma-----	22	160	5,236	32.7	7.3	238	1.2
Texas-----	25	318	15,788	49.6	12.7	632	1.9
Montana-----	9	168	5,313	31.6	18.7	590	5.0
Idaho-----	33	805	19,120	23.8	24.4	579	7.6
Wyoming-----	4	44	1,164	26.5	11.0	291	2.6
Nevada-----	3	35	1,176	33.6	11.7	392	6.9
Utah-----	22	501	12,525	25.0	22.8	569	11.2
Colorado-----	29	314	11,566	36.8	10.8	399	7.0
New Mexico-----	5	44	3,019	68.6	8.8	604	6.0
Arizona-----	13	234	18,445	78.8	18.0	1,419	37.6
Washington-----	45	965	36,104	37.4	21.4	802	12.2
Oregon-----	35	584	23,301	39.9	16.7	666	10.6
California-----	117	1,976	215,201	108.9	16.9	1,839	23.2
Hawaii-----	1	7	372	53.1	7.0	372	3.3
Alaska-----	---	---	---	---	---	---	---
Puerto Rico-----	1	20	3,070	153.5	20.0	3,070	---
Total or average--	2,266	40,984	1,406,306	34.3	18.1	621	6.0

1/ Estimated by the Agricultural Marketing Service; includes cows and heifers 2 years old and over kept for milk on farms, by States, 1956.

2/ 11,290; estimated by the Economics Department, University of Hawaii.

GROWTH OF DAIRY-HERD-IMPROVEMENT ASSOCIATION WORK IN THE UNITED STATES
(1906 - 1956 inclusive)

Year	Associations	Herds on test	Cows on test	Average cows per herd	Average production of cows on test		
	Number	Number	Number	Number	Milk Pounds	Test Percent	Butterfat Pounds
1906----	1	31	239	7.7	5,300	4.1	215
1907----	4	-----	1,606	-----	5,366	4.1	220
1908----	6	-----	3,921	-----	-----	---	---
1909----	25	-----	11,921	-----	-----	---	---
1910----	40	-----	1/ 25,000	-----	1/ 5,730	4.0	1/ 227
1911----	64	-----	1/ 40,000	-----	-----	---	---
1912----	82	-----	1/ 43,000	-----	-----	---	---
1913----	100	-----	47,150	-----	-----	---	---
1914----	163	-----	73,280	-----	-----	---	---
1915----	211	-----	105,526	-----	-----	---	---
1916----	346	-----	150,677	-----	-----	---	---
1917----	459	11,720	216,831	18.5	-----	---	---
1918----	353	9,778	172,518	17.6	-----	---	---
1919----	385	10,000	167,313	16.7	-----	---	---
1920----	468	11,948	203,472	17.0	6,175	4.0	247
1921----	452	11,209	193,928	17.3	-----	---	---
1922----	513	12,508	215,321	17.2	-----	---	---
1923----	627	16,357	277,010	16.9	-----	---	---
1924 2/-	---	-----	-----	-----	-----	---	---
1925----	732	18,677	307,073	16.4	7,189	4.0	284
1926----	777	19,540	327,653	16.8	7,331	4.0	290
1927----	837	21,128	362,014	17.1	7,411	4.0	293
1928----	947	23,327	414,891	17.8	7,476	4.0	296
1929----	1,090	26,182	465,804	17.8	7,498	4.0	298
1930----	1,143	27,888	507,549	18.2	7,642	4.0	303
1931----	1,112	26,308	510,714	19.4	7,812	3.9	306
1932----	1,005	20,351	427,044	21.0	7,858	3.9	310
1933----	881	15,447	358,501	23.2	7,849	4.0	313
1934----	793	13,694	325,837	23.8	8,015	4.0	322
1935----	809	15,573	364,218	23.4	7,977	4.0	322
1936----	876	17,344	404,412	23.3	7,912	4.0	319
1937----	992	20,772	496,562	23.9	7,923	4.0	320
1938----	1,106	23,701	558,993	23.6	7,831	4.0	317
1939----	1,228	25,949	625,284	24.1	7,977	4.1	323
1940----	1,300	27,948	676,141	24.2	8,133	4.1	331
1941----	1,383	31,381	763,502	24.3	8,225	4.1	335
1942----	1,421	32,957	816,117	24.8	8,323	4.1	339
1943----	1,057	24,155	616,972	25.5	8,325	4.1	338
1944----	954	20,825	561,587	27.0	8,296	4.1	336
1945----	949	21,254	577,200	27.2	8,592	4.0	346
1946----	1,124	23,331	627,878	27.0	8,635	4.0	349
1947----	1,426	28,812	775,546	26.9	8,638	4.0	348
1948----	1,668	33,274	886,129	26.6	8,675	4.0	350
1949----	1,787	35,851	943,939	26.3	8,907	4.0	359
1950----	1,973	40,100	1,088,872	27.2	9,172	4.0	370
1951----	2,143	42,949	1,186,615	27.6	9,195	4.0	370
1952----	2,109	40,105	1,166,297	29.1	9,192	4.0	366
1953----	2,151	40,983	1,226,588	29.9	9,253	4.0	368
1954----	2,175	41,254	1,311,698	31.8	-----	---	---
1955----	2,288	41,240	1,333,866	32.3	-----	---	---
1956----	2,266	40,984	1,406,306	34.3	-----	---	---

1/ Estimated.

2/ Date for collecting data changed in 1924 from July 1 to January 1.

OWNER-SAMPLER TESTING IN THE UNITED STATES
(January 1, 1956)

State	Herds	Cows	State	Herds	Cows
	Number	Number		Number	Number
Maine-----	35	679	North Dakota---	73	944
New Hampshire---	80	2,000	South Dakota---	26	390
Vermont-----	263	7,161	Nebraska-----	10	170
Massachusetts---	90	1,873	Kansas-----	35	325
Rhode Island----	4	111	Oklahoma-----	35	850
Connecticut-----	130	3,000	Texas-----	0	0
New York-----	2,291	56,399			
Pennsylvania----	204	4,337	Montana-----	42	815
New Jersey-----	107	3,113	Idaho-----	0	0
Maryland-----	1	9	Wyoming-----	23	726
Delaware-----	15	237	Nevada-----	0	0
			Utah-----	32	821
Virginia-----	5	103	Colorado-----	50	1,357
West Virginia---	4	37	New Mexico-----	1	14
Kentucky-----	0	0	Arizona-----	9	232
North Carolina---	28	601			
South Carolina---	0	0	Washington-----	480	11,621
Georgia-----	0	0	Oregon-----	348	6,659
Florida-----	0	0	California-----	809	22,754
Alabama-----	0	0			
Mississippi-----	0	0	Hawaii-----	0	0
Tennessee-----	5	116	Alaska-----	20	250
Louisiana-----	0	0	Puerto Rico----	0	0
Arkansas-----	25	350			
Ohio-----	2,003	32,619			
Indiana-----	396	6,336			
Illinois-----	279	5,600			
Michigan-----	725	12,000			
Wisconsin-----	7,254	170,462			
Minnesota-----	169	3,100			
Iowa-----	971	15,628			
Missouri-----	33	680			
			Total-----	17,110	374,479

HERDS ON TEST JAN. 1, 1956, COMPARED WITH HERDS ON TEST JAN. 1, 1955, BY STATES

State	Herds on test Jan. 1		Increase (+) or decrease (-)	
	1955	1956	Number	Percent
Nevada-----	25	35	+ 10	+40.0
Kentucky-----	322	368	+ 46	+14.3
Tennessee-----	300	339	+ 39	+13.0
Texas-----	283	318	+ 35	+12.4
New Mexico-----	40	44	+ 4	+10.0
Arkansas-----	42	46	+ 4	+ 9.5
New Hampshire-----	322	352	+ 30	+ 9.3
Minnesota-----	2,765	2,928	+163	+ 5.9
Florida-----	82	86	+ 4	+ 4.9
Massachusetts-----	564	586	+ 22	+ 3.9
California-----	1,901	1,976	+ 75	+ 3.9
Maryland-----	915	947	+ 32	+ 3.5
Pennsylvania-----	4,807	4,971	+164	+ 3.4
North Carolina-----	494	510	+ 16	+ 3.2
Georgia-----	261	269	+ 8	+ 3.1
New Jersey-----	603	618	+ 15	+ 2.5
South Dakota-----	149	152	+ 3	+ 2.0
Wisconsin-----	2,780	2,829	+ 49	+ 1.8
Nebraska-----	376	381	+ 5	+ 1.3
Idaho-----	795	805	+ 10	+ 1.3
North Dakota-----	174	176	+ 2	+ 1.1
Missouri-----	678	680	+ 2	+ .3
Ohio-----	1,963	1,964	+ 1	+ .1
Puerto Rico-----	---	20	+ 20	-----
Delaware-----	113	113	0	0
Mississippi-----	59	59	0	0
Alaska-----	20	---	-20	-----
Wyoming-----	70	44	- 26	-37.1
Rhode Island-----	86	66	- 20	-23.3
Hawaii-----	9	7	- 2	-22.2
Oklahoma-----	185	160	- 25	-13.5
Oregon-----	648	584	- 64	- 9.9
Michigan-----	2,631	2,453	-178	- 6.8
Washington-----	1,033	965	- 68	- 6.6
Indiana-----	1,561	1,460	-101	- 6.5
Colorado-----	335	314	- 21	- 6.3
Virginia-----	1,052	988	- 64	- 6.1
Louisiana-----	69	65	- 4	- 5.8
Montana-----	177	168	- 9	- 5.1
Illinois-----	2,032	1,931	-101	- 5.0
South Carolina-----	123	117	- 6	- 4.9
Connecticut-----	556	530	- 26	- 4.7
New York-----	4,101	3,911	-190	- 4.6
Arizona-----	245	234	- 11	- 4.5
Vermont-----	1,166	1,118	- 48	- 4.1
Alabama-----	212	204	- 8	- 3.8
Utah-----	507	501	- 6	- 1.2
West Virginia-----	252	249	- 3	- 1.2
Maine-----	585	580	- 5	- .9
Kansas-----	902	898	- 4	- .4
Iowa-----	1,870	1,865	- 5	- .3
Total-----	41,240	40,984	-256	- .6

RELATIVE POSITION OF STATES ACCORDING TO DHIA HERDS ON TEST

1954		:	1955		:	1956	
State	Number	:	State	Number	:	State	Number
Pa-----	4,603	:	Pa-----	4,807	:	Pa-----	4,971
N. Y-----	4,347	:	N. Y-----	4,101	:	N. Y-----	3,911
Wis-----	2,880	:	Wis-----	2,780	:	Minn-----	2,928
Mich-----	2,675	:	Minn-----	2,765	:	Wis-----	2,829
Minn-----	2,617	:	Mich-----	2,631	:	Mich-----	2,453
Calif-----	1,978	:	Ill-----	2,032	:	Calif-----	1,976
Ill-----	1,946	:	Ohio-----	1,963	:	Ohio-----	1,964
Ohio-----	1,908	:	Calif-----	1,901	:	Ill-----	1,931
Iowa-----	1,862	:	Iowa-----	1,870	:	Iowa-----	1,865
Ind-----	1,593	:	Ind-----	1,561	:	Ind-----	1,460
Vt-----	1,175	:	Vt-----	1,166	:	Vt-----	1,118
Wash-----	1,106	:	Va-----	1,052	:	Va-----	988
Va-----	1,026	:	Wash-----	1,033	:	Wash-----	965
Md-----	908	:	Md-----	915	:	Md-----	947
Kans-----	782	:	Kans-----	902	:	Kans-----	898
Mo-----	761	:	Idaho-----	795	:	Idaho-----	805
Idaho-----	728	:	Mo-----	678	:	Mo-----	680
Oreg-----	681	:	Oreg-----	648	:	N. J-----	618
Maine-----	632	:	N. J-----	603	:	Mass-----	586
Mass-----	603	:	Maine-----	585	:	Oreg-----	584
N. J-----	602	:	Mass-----	564	:	Maine-----	580
Conn-----	520	:	Conn-----	556	:	Conn-----	530
Utah-----	520	:	Utah-----	507	:	N. C-----	510
N. C-----	456	:	N. C-----	494	:	Utah-----	501
Colo-----	402	:	Nebr-----	376	:	Nebr-----	381
Nebr-----	343	:	Colo-----	335	:	Ky-----	368
Tenn-----	332	:	Ky-----	322	:	N. H-----	352
Ky-----	305	:	N. H-----	322	:	Tenn-----	339
N. H-----	304	:	Tenn-----	300	:	Tex-----	318
Tex-----	304	:	Tex-----	283	:	Colo-----	314
W. Va-----	262	:	Ga-----	261	:	Ga-----	269
Ariz-----	250	:	W. Va-----	252	:	W. Va-----	249
Ala-----	245	:	Ariz-----	245	:	Ariz-----	234
Ga-----	230	:	Ala-----	212	:	Ala-----	204
Okla-----	207	:	Okla-----	185	:	N. Dak-----	176
Mont-----	174	:	Mont-----	177	:	Mont-----	168
N. Dak-----	154	:	N. Dak-----	174	:	Okla-----	160
S. Dak-----	135	:	S. Dak-----	149	:	S. Dak-----	152
Del-----	122	:	S. C-----	123	:	S. C-----	117
S. C-----	116	:	Del-----	113	:	Del-----	113
R. I-----	84	:	R. I-----	86	:	Fla-----	86
Fla-----	76	:	Fla-----	82	:	R. I-----	66
La-----	64	:	Wyo-----	70	:	La-----	65
Miss-----	60	:	La-----	69	:	Miss-----	59
Ark-----	41	:	Miss-----	59	:	Ark-----	46
N. Mex-----	37	:	Ark-----	42	:	Wyo-----	44
Nev-----	37	:	N. Mex-----	40	:	N. Mex-----	44
Alaska-----	30	:	Nev-----	25	:	Nev-----	35
Wyo-----	22	:	Alaska-----	20	:	Puerto Rico-----	20
Hawaii-----	9	:	Hawaii-----	9	:	Hawaii-----	7
Puerto Rico-----	0	:	Puerto Rico-----	0	:	Alaska-----	0

OFFICIALS IN CHARGE OF DAIRY-HERD-IMPROVEMENT ASSOCIATIONS IN THE STATES

Ala----- J. R. Parrish, Ext. Service, School of Agr., Auburn.
 Alaska--- Wm. J. Sweetman, Dairy Husbandman, Alaska Exp. Station, Palmer.
 Ariz----- W. R. Van Sant, Ext. Service, College of Agr., Tucson.
 Ark----- Glen R. Pursley, Ext. Dairyman, University of Arkansas, Fayetteville.
 Calif----- G. E. Gordon, Ext. Service, College of Agr., Berkeley 4.
 Colo----- H. A. Sandhouse, Ext. Service, Colorado A & M College, Fort Collins.
 Conn----- W. R. Hesseltine, Ext. Service, College of Agr., Storrs.
 Del----- D. J. Young, Ext. Service, University of Delaware, Newark.
 Fla----- C. W. Reaves, Ext. Service, College of Agr., Gainesville.
 Ga----- John E. McGowan, Ext. Service, College of Agr., Athens.
 Hawaii--- Harvey M. Vollrath, Spec. in An. Husb., University of Hawaii, P.O. Box 18,
 Honolulu 10.
 Idaho----- G. C. Anderson, Ext. Division, College of Agr., Boise.
 Ill----- J. G. Cash, Ext. Service, College of Agr., Urbana.
 Ind----- G. A. Williams, Dept. of Agr. Ext., Purdue University, Lafayette.
 Iowa----- D. E. Voelker, Ext. Service, Iowa State College of Agr., Ames.
 Kans----- E. Ralph Bonewitz, Ext. Division, Kansas State College, Manhattan.
 Ky----- E. C. Scheidenhelm, Ext. Service, College of Agr., Lexington 29.
 La----- E. W. Neasham, Agr. Ext. Service, University Station, Baton Rouge 3.
 Maine----- Norman R. Ness, Ext. Service, College of Agr., Orono.
 Md----- J. R. Schabinger, Ext. Service, University of Maryland, College Park.
 Mass----- C. H. Parsons, Ext. Service, University of Massachusetts, Amherst.
 Mich----- L. A. Johnson, Ext. Service, Mich. State College, East Lansing.
 Minn----- Ramer Leighton, Agr. Ext. Service, University Farm, St. Paul 1.
 Miss----- Arlis Anderson, Ext. Service, Mississippi State College, State College.
 Mo----- E. T. Itschner, Agr. Ext. Service, College of Agr., Columbia.
 Mont----- J. O. Tretsven, Ext. Service, Montana State College, Bozeman.
 Nebr----- M. N. Lawritson, Ext. Service, College of Agr., Lincoln 1.
 Nev----- J. D. Mankin, Ext. Service, College of Agr., Reno.
 N. H----- G. B. Olsson, Ext. Service, College of Agr., Durham.
 N. J----- E. T. Oleskie, Ext. Service, State College of Agr., New Brunswick.
 N. Mex--- E. E. Anderson, Ext. Service, N. Mex. College of Agr., State College.
 N. Y----- J. D. Burke, Ext. Service, N. Y. State College of Agr., Ithaca.
 N. C----- M. E. Senger, Ext. Service, N. C. State College of Agr., State College
 Station, Raleigh.
 N. Dak--- Clarence C. Olson, Agr. Ext., N. Dak. Agr. College, State College Station,
 Fargo.
 Ohio----- R. A. Porterfield, Agr. Ext., College of Agriculture, Columbus 10.
 Okla----- J. E. Pendleton, Ext. Division, Oklahoma A & M College, Stillwater.
 Oreg----- H. P. Ewalt, Ext. Service, Oregon State College, Corvallis.
 Pa----- H. C. Gilmore, Div. of Agr. Ext., College of Agr., University Park.
 P. R----- C. G. Arrillaga, Ext. Service, University of Puerto Rico, Rio Piedras.
 R. I----- J. D. Dodds, Ext. Service, Rhode Island State College, Kingston.
 S. C----- C. G. Cushman, Ext. Service, Clemson Agr. College, Clemson.
 S. Dak--- R. A. Cave, Ext. Service, S. Dak. State College of Agr., Brookings.
 Tenn----- V. D. Parsons, Ext. Dairyman, P. O. Box 1071, Knoxville 7.
 Tex----- A. M. Meekma, Ext. Service, A & M. College of Texas, College Station.
 Utah----- L. H. Rich, Ext. Service, Utah State Agr. College, Logan.
 Vt----- W. L. Bickford, Ext. Service, College of Agr., Burlington.
 Va----- M. F. Ellmore, Agr. Ext. Division, Va. Polytechnic Inst., Blacksburg.
 Wash----- Ext. Dairy Specialist, State College of Wash., Pullman.
 W. Va----- G. Heebink, Agr. Extension, College of Agr., Morgantown.
 Wis----- J. E. Stallard, Extension Dairyman, Room 207 King Hall, Madison 6.
 Wyo----- I. W. Slater, Ext. Division, College of Agr., Laramie.

DHIA PROVED-SIRE RECORDS TABULATED IN JANUARY 1956

Following is a list of 237 sires whose records were tabulated or retabulated by the Dairy Husbandry Research Branch in January 1956. Production records used in proving DHIA sires consist of 305-day lactation records standardized to a mature equivalent twice-a-day milking basis.

An asterisk at the end of a sire's registration number indicates a retabulated record. The asterisk may be followed by any number from 1 through 15 (i. e., *12) to indicate in which of the 15 printed lists his previous record appeared. Or the asterisk may be followed by the month and year (i. e., *May 51) of the DHIA letter in which his previous record appeared. Two asterisks following the sire's registration number, or following reference to a previous listing, indicate that the proved-sire tabulation or retabulation was requested by one of the States.

In case records from more than one herd were used, the reference is to the herd from which production records for the largest number of the sire's youngest daughters were reported. If the sire has been used in an artificial-breeding association, the name of the association is given.

Proved-sire records consisting of fewer than 10 comparisons are indicated as "preliminary proofs" because these records may be significantly changed when additional comparisons become available and are included in the proved-sire records.

Proved-sire records consisting of fewer than 25 comparisons with daughters resulting from artificial breeding are indicated as "preliminary AB proofs" because these records may be significantly changed when additional comparisons become available and are included in the proved-sire record.

To make the most intelligent selection of a sire, the dairyman should use these proved-sire records to single out the most promising sire and then make every effort to supplement these data with additional information gathered from the herds in which the dams and daughters made their records. Particular attention should be given to the feeding practices and environmental conditions under which the records were made, in order to be assured that the records of the daughters were not made under more favorable conditions than those of the dams or vice versa. It is especially important to determine that there has been no selection of daughters in making the comparison.

AYRSHIRE SIRES	Animals	Records averaged	Milk	Test	Fat
	Number	Number	lb.	%	lb.
ATWOOD ORCHARDS QUIZ MASTER 92378-----	15 daughters	24	9,143	4.4	403
Born, 2-14-48; proved, 1-31-56; ; N. Y.	13 daughters	20	9,020	4.4	399
Sire, 63147; dam, 281433.	13 dams----	53	7,596	4.2	317
Used by Charles L. Allen, Kingston.	Difference-- (10-11-11)	+1,424	+.2	+82	
BAN TARA HOT BETT 92470-----	7 daughters-	11	9,089	4.3	389
Preliminary proof, 1-31-56; ; Minn.	7 dams-----	16	8,270	3.9	323
Born, 2-16-48; sire, 79912; dam, 277839.	Difference-- (5-6-5)	+819	+.4	+66	
Used by Alfred Holmbeck, Lake Wilson.					
BATES' GOLDEN DUNCAN 84800-----	5 daughters-	7	8,138	4.1	333
Preliminary proof, 1-31-56; ; Pa.	5 dams-----	11	8,906	4.0	360
Born, 6-11-45; sire, 65052; dam, 202099.	Difference-- (2-3-2)	-768	+.1	-27	
Used by Robert Weber & Sons, McDonald.					
BENMORE FAME'S SUN 80193-----	13 daughters	28	10,358	4.2	438
Born, 3-22-45; proved, 1-31-56; ; N. Y.	12 daughters	24	10,262	4.3	438
Sire, 61780; dam, 231227.	12 dams----	41	10,697	3.8	406
Used by E. Hodge Brush, Wingdale.	Difference-- (4-12-6)	-435	+.5	+32	
CAROLINA'S CRITERION'S HIGHHAT 89681----	13 daughters	16	5,687	4.2	236
Born, 8-21-46; proved, 1-31-56; ; N. C.	12 daughters	14	5,681	4.1	235
Sire, 66578; dam, 258002.	12 dams----	46	8,954	4.0	354
Used by Colin G. Spencer, Carthage.	Difference-- (1-8-2)	-3,273	+.1	-119	
CHEAT-AYR SNOWMAN 83505-----	12 daughters	33	6,622	4.0	266
Preliminary proof, 1-31-56; ; Kans.	6 daughters-	17	6,409	3.9	252
Born, 2-13-46; sire, 69396; dam, 272559.	8 dams-----	18	6,740	4.0	268
Used by Harry H. Funk, Marion.	Difference-- (2-3-2)	-331	-.1	-16	
CLOVER MEADOWS' SNOW KING 92543** -----	30 daughters	37	8,870	4.1	364
Born, 10-7-47; proved, 1-31-56;	30 dams----	90	9,193	4.0	364
Sire, 62505; dam, 232256.	Difference-- (11-23-14)	-323	+.1	0	
Used by Lehigh Valley Co-op. A. B. A., Pa.					
COLD STREAM GOLDEN LOCH 82757-----	8 daughters-	10	8,847	4.2	374
Preliminary proof, 1-31-56; ; Vt.	5 daughters-	5	8,051	4.2	337
Born, 11-1-45; sire, 62756; dam, 240393.	5 dams-----	7	7,539	3.9	293
Used by Forrest B. Page, Groton.	Difference-- (3-4-4)	+512	+.3	+44	

AYRSHIRE SIRE	Animals	Records averaged	Milk	Test	Fat
	Number	Number	lb.	%	lb.
DELCHESTER MASTERPIECE 91695-----	8 daughters-	12	10,353	3.9	409
Preliminary proof, 1-31-56; ; Pa.	6 daughters-	8	10,638	3.9	415
Born, 1-6-48; sire, 82701; dam, 322237.	6 dams-----	27	11,841	4.0	477
Used by William H. Ashton, Edgemont.	Difference--	(1-3-1)	-1,203	-.1	-62
DELMARVA 4-H MAGNET 90288-----	11 daughters	16	9,612	4.3	413
Preliminary proof, 1-31-56; ; Md.	9 daughters-	14	9,654	4.3	412
Born, 4-12-46; sire, 71279; dam, 281930.	9 dams-----	19	9,837	4.1	401
Used by Elmer & Edward Morris, Ingleside.	Difference--	(5-5-6)	-183	+2	+11
DU-AYR HUTCH 81977-----	10 daughters	20	9,960	4.1	407
Preliminary proof, 1-31-56; ; Kans.	9 daughters-	18	10,060	4.1	409
Born, 9-15-45; sire, 58252; dam, 277328.	9 dams-----	48	8,501	3.9	335
Used by Hubert Burgess, Nickerson.	Difference--	(6-8-6)	+1,559	+2	+74
EVAN OF KIMBALL FARM 83741-----	7 daughters-	15	8,757	4.0	353
Preliminary proof, 1-31-56; ; Mass.	7 dams-----	32	8,952	4.2	374
Born, 2-20-46; sire, 62701; dam, 199262.	Difference--	(3-3-3)	-195	-.2	-21
Used by Kimball's Ayr. Dairy, Haverhill.					
FAIR MEADOWS REDSKIN 92824-----	8 daughters-	10	9,794	3.9	383
Preliminary proof, 1-31-56; ; Conn.	7 daughters-	9	9,698	4.0	386
Born, 3-10-48; sire, 70259; dam, 232910.	7 dams-----	27	10,564	4.2	443
Used by Henry B. Mosle, Litchfield.	Difference--	(2-0-2)	-866	-.2	-57
GLENBROOK JIM 92350-----	14 daughters	24	7,814	4.4	341
Born, 9-23-47; proved, 1-31-56; ; Pa.	13 daughters	22	7,916	4.4	347
Sire, 58950; dam, 204929.	13 dams-----	49	7,837	4.1	323
Used by Glenbrook Farm, Concordville.	Difference--	(6-12-5)	+79	+3	+24
GLENCLIFF P. A. MINNIE BEST MAN 91575--	6 daughters-	12	8,678	3.8	333
Preliminary proof, 1-31-56; ; Vt.	5 daughters-	10	8,653	3.8	332
Born, 6-18-47; sire, 77265; dam, 261384.	5 dams-----	12	9,051	3.8	343
Used by Delbert Leete, Wells River.	Difference--	(2-4-2)	-398	.0	-11
GOOD HOPE BENEFACOR 92704-----	7 daughters-	8	8,436	4.1	342
Preliminary proof, 1-31-56; ; N. C.	7 dams-----	37	9,006	4.1	369
Born, 4-1-48; sire, 58825; dam, 233146.	Difference--	(4-4-4)	-570	.0	-27
Used by North Carolina Sanatorium, McCain.					
GOOD HOPE BUCKSHOT B. 93103-----	6 daughters-	7	10,189	3.9	394
Preliminary proof, 1-31-56; ; Conn.	6 dams-----	29	10,101	4.0	403
Born, 5-24-48; sire, 58825; dam, 237860.	Difference--	(4-3-3)	+88	-.1	-9
Used by Goodnow Farm, Norfolk.					
GREENFIELD'S TRUE BANKER 82764-----	7 daughters-	11	10,373	4.3	443
Preliminary proof, 1-31-56; ; Wis.	7 dams-----	34	7,952	3.9	312
Born, 10-28-45; sire, 74148; dam, 292042.	Difference--	(7-5-7)	+2,421	+4	+131
Used by George Feeder, West Allis.					
GREENRANGE NIPPER 90683-----	9 daughters-	14	9,348	4.3	401
Preliminary proof, 1-31-56; ; Vt.	6 daughters-	9	9,241	4.3	400
Born, 9-18-47; sire, 84223; dam, 298935.	6 dams-----	16	10,368	4.5	466
Used by Burdick Brothers, South Londonderry.	Difference--	(2-3-0)	-1,127	-.2	-66
HILL CREST BONNIE BOY 90107-----	27 daughters	44	9,147	4.2	383
Born, 12-3-46; proved, 1-31-56; ; N. Y.	27 dams-----	81	8,947	3.9	350
Sire, 81145; dam, 331511.	Difference--	(15-24-18)	+200	+3	+33
Used by Richard Victor, Champlain.					
KNOLLHILL FAY'S GOOD MAN 79945-----	5 daughters-	9	8,199	3.7	302
Preliminary proof, 1-31-56; ; Md.	5 dams-----	11	7,636	3.7	286
Born, 12-27-44; sire, 58825; dam, 264588.	Difference--	(2-2-2)	+563	.0	+16
Used by Charles W. Slagle & Son, Woodbine.					
KNOLLHILL PEN LAD 80668-----	15 daughters	27	12,133	3.8	463
Born, 2-1-45; proved, 1-31-56; ; Md.	15 dams-----	77	9,878	4.0	397
Sire, 58825; dam, 264594.	Difference--	(9-5-9)	+2,255	-.2	+66
Used by Howard W. Clark, Glenelg.					
MARY AYR JIM 91671-----	13 daughters	18	9,110	4.1	371
Born, 9-8-47; proved, 1-31-56; ; N. Y.	12 daughters-	17	9,108	4.1	374
Sire, 65553; dam, 234454.	12 dams-----	71	10,352	3.8	394
Used by Robert L. Gifford, Canandaigua.	Difference--	(3-11-5)	-1,246	+3	-20
MASTER'S ARMOUR KING OF BUELAYR					
79962-----	9 daughters-	14	11,429	4.2	478
Preliminary proof, 1-31-56; ; N. Y.	5 daughter -	8	11,339	4.2	482
Born, 12-5-44; sire, 60268; dam, 170220.	5 dams-----	14	10,541	4.3	449
Used by T. O. Wilson and Son, Waterloo.	Difference--	(4-2-3)	+798	-.1	+33

AYRSHIRE SIRES	Animals	Records averaged	Milk	Test	Fat
	Number	Number	lb.	%	lb.
OAKHURST RAMBLER, IMP. 93088-----	5 daughters-	9	9,791	3.8	377
Preliminary proof, 1-31-56; ; Mich.	5 dams-----	18	11,077	4.0	443
Born, 1-4-47; sire, 66319; dam, 365662.	Difference--	(1-2-1)	-1,286	-.2	-66
Used by La Vern Mc Nabs, Crosswell.					
OHIO IMPRESSIVE DIPLOMAT 79989-----	6 daughters-	19	8,991	4.3	389
Preliminary proof, 1-31-56; ; Ohio.	5 daughters-	18	9,535	4.3	411
Born, 2-1-45; sire, 70151; dam, 186925.	5 dams-----	18	7,702	3.8	296
Used by Edwin McClain, Upper Sandusky.	Difference--	(5-5-5)	+1,833	+.5	+115
PRINCE GOLD'S DUKE 92311**-----	12 daughters	12	6,252	3.9	246
Born, 10-28-47; proved, 1-31-56; ; Iowa.	10 daughters	10	6,334	3.9	248
Sire, 80204; dam, 217614.	10 dams-----	13	6,327	3.7	237
Used by Lambert Winkels. McIntire.	Difference--	(5-7-6)	+7	+.2	+11
REDMAN'S LUCKY STAR 82609-----	6 daughters-	16	8,852	3.7	328
Preliminary proof, 1-31-56; ; N. Y.	5 daughters-	13	8,871	3.6	321
Born, 6-8-45; sire, 67922; dam, 271770.	5 dams-----	26	10,168	3.9	396
Used by Harold Schutt, Canandaigua.	Difference--	(1-1-0)	-1,297	-.3	-75
REYMANN MISTER DOUGLAS 18TH 83191-----	5 daughters-	9	9,822	4.0	391
Preliminary proof, 1-31-56; ; Ohio.	5 dams-----	14	9,468	4.2	402
Born, 11-28-45; sire, 47364; dam, 230560.	Difference--	(2-1-2)	+354	-.2	-11
Used by Howard Arthur, Cedarville.					
SPRING CRESS JIM 92475-----	7 daughters-	11	10,352	4.3	446
Preliminary proof, 1-31-56; ; Ill.	7 dams-----	38	9,004	4.2	377
Born, 11-3-47; sire, 58950; dam, 290478.	Difference--	(5-6-5)	+1,348	+.1	+69
Used by Spinney Run Farm, Libertyville.					
SUNNY ACRES HEATHER PAR 82322-----	9 daughters-	18	9,056	4.2	381
Preliminary proof, 1-31-56; ; N. Y.	9 dams-----	33	8,287	4.2	351
Born, 10-20-45; sire, 79476; dam, 250536.	Difference--	(7-5-5)	+769	.0	+30
Used by Lorenzo Niles, Cazenovia.					
VISTA GRANDE BEAUTINA'S KING 82748-----	27 daughters	52	8,267	4.3	356
Born, 5-27-45; proved, 1-31-56; ; Wis.	26 daughters	51	8,170	4.3	355
Sire, 55678; dam, 212564.	26 dams-----	111	7,679	4.0	307
Used by Lakeside Farm, Genoa City.	Difference--	(15-25-19)	+491	+.3	+48
WOODCHUCK BOMBARDIER 81836-----	10 daughters	32	10,490	3.9	411
Preliminary proof, 1-31-56; ; N. Y.	5 daughters-	14	10,232	4.1	417
Born, 11-1-43; sire, 74563; dam, 262400.	5 dams-----	14	9,598	4.2	406
Used by Maurice Downey, Millerton.	Difference--	(3-2-2)	+634	-.1	+11

BROWN SWISS SIRES

A. A. LOUISE'S ALPINE CLIMBER 81652					
*Mar. 53**-----	16 daughters	27	11,585	3.9	450
Preliminary proof, 1-31-56;	16 dams-----	64	9,940	3.8	378
Born, 8-31-46; sire, 42946; dam, 117887.	Difference--	(12-10-12)	+1,645	+.1	+72
Used by Wis. Scientific Breeding Inst., Wis.					
(A.B.A.)					
ENGLE ACRES DELLA'S MAX 90805-----	6 daughters-	7	9,622	4.1	398
Preliminary proof, 1-31-56; ; Wis.	6 dams-----	18	9,021	4.0	363
Born, 12-17-47; sire, 76939; dam, 117022.	Difference--	(3-5-3)	+601	+.1	+35
Used by Anton Schraufnagle, Oakfield.					
ESTEMP BRIDGE DON 102123*Aug. 54**-----	11 daughters	19	10,307	4.0	415
Born, 10-5-46; proved, 1-31-56; dead ; Iowa.	10 daughters	15	10,411	4.0	417
Sire, 64879; dam, 132053.	10 dams-----	29	11,348	4.2	476
Used by Estle Templeton, Bagley.	Difference--	(3-3-2)	-937	-.2	-59
JUDD'S BRIDGE PRIMATE 77195*Feb. 53**----	14 daughters	24	11,703	4.1	477
Born, 5-27-46; proved, 1-24-56;	14 dams-----	53	10,848	4.1	449
Sire, 42946; dam, 92194.	Difference--	(11-8-11)	+855	.0	+28
Used by Wis. Scientific Breeding Institute, Wis.					
(A. B. A.).					
LEE'S HILL KEEPER'S WISEACRE 93069-----	5 daughters-	5	7,894	3.9	305
Preliminary proof, 1-31-56; ; N. J.	5 dams-----	16	10,501	3.8	400
Born, 12-14-48; sire, 55163; dam, 115544.	Difference--	(1-4-1)	-2,607	+.1	-95
Used by John Jacob Astor, Basking Ridge.					
NOBLE MISTER DASHER 83519-----	5 daughters-	7	8,867	4.3	381
Preliminary proof, 1-31-56; ; Minn.	5 dams-----	18	8,700	4.0	347
Born, 3-30-47; sire, 68355; dam, 86435.	Difference--	(4-5-4)	+167	+.3	+34
Used by Cletus Schleich, Caledonia.					

BROWN SWISS SIRES	Animals	Records averaged	Milk	Test	Fat
	Number	Number	lb.	%	lb.
ROXANA'S COLUMBUS 83625*July 54**-----	23 daughters	42	9,966	4.2	422
Preliminary proof, 1-31-56;	15 daughters	28	10,153	4.2	429
Born, 1-5-47; sire, 42946; dam, 124203.	15 dams----	37	10,114	3.9	396
Used by Wis. Scientific Breeding Inst., Wis. (A+B. A.)	Difference--	(7-14-10)	+39	+3	+33
TOPPER TOM 89471 -----	6 daughters-	11	9,111	4.2	386
Preliminary proof, 1-31-56; ; Ill.	6 dams-----	33	10,360	4.0	413
Born, 5-30-47; sire, 68634; dam, 105513.	Difference--	(1-4-4)	-1,249	+2	-27
Used by Jutkins & Winship, Champaign.					
V. F. DON QUICHOTE 83575** -----	15 daughters	22	9,235	4.2	385
Born, 1-23-47; proved, 1-24-56; alive ; Va.	15 dams----	63	9,019	4.1	368
Sire, 69865; dam, 133975.	Difference--	(9-8-10)	+216	+1	+17
Used by J. T. Williamson, Gainesville.					

GUERNSEY SIRES

ANTIETAM FAITHFUL ROYALIST (TWIN)					
440183** -----	11 daughters	15	9,307	4.7	436
Preliminary proof, 1-31-56; ; N. C.	7 daughters-	8	9,584	4.7	455
Born, 10-16-48; sire, 341069; dam, 957723.	7 dams-----	25	8,416	5.0	422
Used by Glenn Lowe, Asheboro.	Difference--	(7-1-6)	+1,168	-.3	+33
BIG SPRINGS ROYAL CAVALIER 434704-----	7 daughters-	9	6,278	5.5	346
Preliminary proof, 1-31-56; ; Ind.	5 daughters-	7	6,761	5.5	369
Born, 2-19-48; sire, 321368; dam, 597734.	5 dams-----	7	8,347	4.7	393
Used by Sisters of Providence, St. Mary-of-the-Woods.	Difference--	(1-5-2)	-1,586	+8	-24
CESOR KING'S GORDON 429784-----	6 daughters-	8	6,917	5.2	362
Preliminary proof, 1-31-56; ; Mich.	6 dams-----	19	8,571	4.9	424
Born, 1-4-48; sire, 364164; dam, 502000.	Difference--	(0-6-0)	-1,654	+3	-62
Used by Joe C. Patterson, Reed City.					
CLEAR SPRINGS MAJESTY'S MAXIM 390097					
*Sept. 52** -----	23 daughters	56	8,778	5.3	462
Born, 12-11-45; proved, 1-24-56; ; N. C.	22 daughters	51	8,692	5.3	462
Sire, 329470; dam, 601485.	22 dams----	100	9,353	5.1	479
Used by Dr. T. E. Sikes, Greensboro.	Difference--	(7-17-11)	-661	+2	-17
COLDSPRING'S VALOR'S BADGER 431693-----	5 daughters-	10	6,623	4.8	317
Preliminary proof, 1-31-56; ; Pa.	5 dams-----	18	6,645	4.8	318
Born, 11-8-47; sire, 394780; dam, 905749.	Difference--	(2-3-2)	-22	.0	-1
Used by Herman P. Hege, Chambersburg.					
COOPER'S INROX 421336** -----	12 daughters	12	7,648	5.2	400
Preliminary AB proof, 1-24-56;	12 dams----	35	7,965	5.0	401
Born, 8-24-47; sire, 349264; dam, 628883.	Difference--	(5-7-7)	-317	+2	-1
Used by Kansas A. B. A., Kans.					
CURTISS CANDY ACE'S PAUL 397628-----	15 daughters	21	8,218	4.9	401
Preliminary proof, 1-31-56; ; Ind.	6 daughters-	8	8,752	4.9	428
Born, 9-30-46; sire, 344316; dam, 809835.	6 dams-----	10	8,643	5.3	454
Used by Lee Seale, Lebanon.	Difference--	(3-2-3)	+109	-.4	-26
DELLA'S PRINCE OF SUNNY DALE 383312----	15 daughters	31	9,009	5.0	452
Born, 9-25-45; proved, 1-31-56; ; Iowa.	10 daughters	18	8,634	5.0	435
Sire, 361920; dam, 788656.	10 dams----	39	8,231	4.7	390
Used by Alvin Byerly, Anamosa.	Difference--	(6-8-7)	+403	+3	+45
EDROBLIN EMORY'S LEAP 427828-----	7 daughters-	10	6,277	5.4	342
Preliminary proof, 1-31-56; ; Ind.	6 daughters-	8	6,165	5.5	340
Born, 2-29-48; sire, 367145; dam, 914016.	6 dams-----	8	6,706	5.2	347
Used by I. C. Scharf, Floyd Knobs.	Difference--	(1-5-1)	-541	+3	-7
EVERGREEN'S BUTTERFAT KING 354358					
*15** -----	29 daughters	60	8,435	4.8	408
Born, 12-4-43; proved, 1-24-56; dead ; Kans.	23 daughters	44	8,472	4.9	417
Sire, 257519; dam, 473594.	23 dams----	69	8,126	5.1	417
Used by E. D. Hershberger, Newton.	Difference--	(15-8-13)	+346	-.2	0
FAIRLAWN PEER'S PHARAOH 454178 -----	5 daughters-	5	10,130	4.6	467
Preliminary proof, 1-31-56; alive ; N. Mex.	5 dams-----	15	9,284	4.5	417
Born, 6-17-49; sire, 404433; dam, 1028073.	Difference--	(3-3-4)	+846	+1	+50
Used by Dr. T. W. Allen, Las Cruces.					

GUERNSEY SIRES	Animals	Records averaged	Milk	Test	Fat
	Number	Number	lb.	%	lb.
FERN HILL ELECTION 381038 -----	11 daughters	19	8,873	4.6	405
Preliminary proof, 1-31-56; ; Conn.	5 daughters-	13	8,633	4.6	395
Born, 8-8-45; sire, 329902; dam, 574519.	5 dams-----	9	9,075	4.7	429
Used by Stanley Finch, Roxbury.	Difference--	(1-1-1)	-442	-.1	-34
FORGES CAPTAIN HEDGES 400566*Nov. 54** ----	8 daughters-	17	9,629	4.5	437
Preliminary proof, 1-31-56; ; Pa.	8 dams-----	24	8,787	4.5	393
Born, 7-24-46; sire, 326954; dam, 609166.	Difference--	(5-4-5)	+842	.0	+44
Used by Williams & Lathrop, New Hope.					
GOLDEN HARVEST CLAIMANT 454253 -----	6 daughters-	10	7,347	5.3	393
Preliminary proof, 1-31-56; ; Minn.	5 daughters-	8	7,262	5.4	393
Born, 9-8-48; sire, 389433; dam, 863363.	5 dams-----	18	7,663	4.7	358
Used by George O. Fisher, Eagle Bend.	Difference--	(1-4-4)	-401	+.7	+35
GRASSLAND HIWOOD MODERN 423514 -----	8 daughters-	12	7,722	4.5	346
Preliminary proof, 1-31-56; ; Conn.	6 daughters-	9	8,026	4.4	357
Born, 2-4-47; sire, 231202; dam, 517687.	6 dams-----	24	9,255	4.8	441
Used by L. Hurlbut & Sons, Winchester.	Difference--	(2-1-0)	-1,229	-.4	-84
HOLCOMB'S PEERLESS VICTOR 365001					
*Apr. 52** -----	30 daughters	70	9,858	5.2	513
Born, 10-18-44; proved, 1-24-56; alive;	24 daughters	54	9,730	5.2	510
Sire, 299619; dam, 522694.	24 dams-----	59	9,319	5.0	462
Used by American Breeders Service, Ind.	Difference--	(14-17-17)	+411	+.2	+48
(A. B. A.).					
HOMINY HILL VICEROY 455056 -----	6 daughters-	6	10,495	4.9	514
Preliminary proof, 1-31-56;	5 daughters-	5	10,131	4.9	496
Born, 12-6-49; sire, 250949; dam, 861936.	5 dams-----	11	8,833	4.3	381
Used by Wis. Scientific Breeding Institute,	Difference--	(3-5-4)	+1,298	+.6	+115
Wis. (A. B. A.).					
INNISFREE BORDER KING 451961** -----	8 daughters-	10	7,942	4.7	376
Preliminary proof, 1-31-56; ; Pa.	7 daughters-	9	7,684	4.8	369
Born, 4-23-49; sire, 358896; dam, 924451.	7 dams-----	17	8,354	4.7	389
Used by Elmer C. Musser, Fountainville.	Difference--	(3-3-3)	-670	+.1	-20
KENFLEUR'S SHERON REFLECTOR 389976 ----	6 daughters-	10	6,892	5.1	353
Preliminary proof, 1-31-56; ; Ill.	5 daughters-	9	6,701	5.1	341
Born, 9-4-45; sire, 251754; dam, 450923.	5 dams-----	22	8,734	5.0	440
Used by Hillman & Getz, Tremont.	Difference--	(1-3-1)	-2,033	+.1	-99
KING'S CROWN JEWELLER 408838 -----	6 daughters-	7	8,727	4.9	429
Preliminary proof, 1-31-56; ; Pa.	5 daughters-	6	8,495	5.0	423
Born, 6-1-47; sire, 329184; dam, 609647.	5 dams-----	14	8,151	4.9	399
Used by John C. Bole, Malvern.	Difference--	(3-4-3)	+344	+.1	+24
LASZLO OF NOVU 423552 -----	11 daughters	11	9,875	5.2	515
Preliminary proof, 1-31-56; ; Oreg.	9 daughters-	9	10,024	5.2	517
Born, 11-14-47; sire, 378881; dam, 550891.	9 dams-----	17	10,117	4.6	486
Used by Fred & Eva Hoover, Hillsboro.	Difference--	(6-9-8)	-93	+.6	+51
L. P. MONTE OF NOSKER FARM 435042 -----	10 daughters	12	6,449	4.9	316
Born, 8-25-48; proved, 1-31-56; ; Ind.	10 dams-----	38	7,952	4.9	394
Sire, 333511; dam, 674963.	Difference--	(1-6-3)	-1,503	.0	-78
Used by Triggs & Westafer, Huntington.					
MAPLE DAWN SQUIRE'S NEON 416675** -----	9 daughters-	13	9,258	4.9	453
Preliminary proof, 1-24-56; alive;	9 dams-----	41	8,509	5.1	436
Born, 7-21-47; sire, 367366; dam, 871641.	Difference--	(6-4-5)	+749	-.2	+17
Used by American Breeders Service, Ind.					
(A. B. A.).					
MCDONALD FARMS JUST NORMAN 432459 ----	6 daughters-	7	6,948	5.1	356
Preliminary proof, 1-31-56; ; Pa.	5 daughters-	6	6,592	5.2	340
Born, 3-10-48; sire, 385815; dam, 650139.	5 dams-----	20	7,898	5.2	408
Used by R. C. Jacobs, Brogueville.	Difference--	(1-2-0)	-1,306	.0	-68
MCDONALD FARMS KEARNEY 384108 -----	10 daughters	26	8,304	4.9	408
Preliminary proof, 1-31-56; ; Nebr.	6 daughters-	13	7,886	5.0	398
Born, 7-18-45; sire, 280641; dam, 274303.	6 dams-----	8	6,120	5.1	312
Used by Wayne Gilliland, Wayne.	Difference--	(5-3-6)	+1,766	-.1	+86
MILLBORN DUKE (TWIN) 456246 -----	6 daughters-	11	7,885	4.8	380
Preliminary proof, 1-31-56; ; N. H.	6 dams-----	30	8,016	4.6	367
Born, 3-16-49; sire, 343552; dam, 768534.	Difference--	(3-4-5)	-131	+.2	+13
Used by John Weeks, Laconia.					

GUERNSEY SIRES	Animals	Records averaged	Milk	Test	Fat
	Number	Number	lb.	%	lb.
PLANE VIEW PEPPER 430428-----	9 daughters-	11	8,599	4.8	417
Preliminary proof, 1-31-56; ; Iowa.	6 daughters-	7	8,265	4.7	391
Born, 5-21-48; sire, 388875; dam, 1071838.	6 dams-----	14	7,942	4.4	353
Used by John Dayle Yoder, Kalona.	Difference--	(3-5-5)	+323	+3	+38
PLEASANT VIEW ACE ROSE KING 465017-----	7 daughters-	10	7,931	4.8	380
Preliminary proof, 1-31-56; ; N. C.	7 dams-----	19	7,580	4.9	372
Born, 11-28-49; sire, 297475; dam, 1016449.	Difference--	(4-3-3)	+351	-.1	+8
Used by A. Q. Ketner, Murphy.					
RANSOM ANGELLA'S ADONIS 430534**-----	9 daughters-	15	8,977	4.9	440
Preliminary proof, 1-31-56; ; Kans.	8 daughters-	14	8,880	4.9	436
Born, 2-29-48; sire, 313903; dam, 998641.	8 dams-----	15	6,374	4.8	307
Used by Albert J. Winn, Burlington.	Difference--	(8-6-8)	+2,506	+1	+129
ROLLING ACRES MAX 422341-----	13 daughters-	19	8,211	4.6	375
Born, 11-25-47; proved, 11-18-55; ; Minn.	11 daughters	16	8,414	4.5	383
Sire, 351934; dam, 564066.	11 dams-----	40	8,043	4.8	385
Used by Joe Johnson, Zumbro Falls.	Difference--	(7-4-7)	+371	-.3	-2
ROSSMONT LUCKY STARZELL 471878-----	7 daughters-	9	7,845	5.1	403
Preliminary proof, 1-31-56; ; Va.	7 dams-----	26	6,761	4.9	331
Born, 8-12-48; sire, 351256; dam, 836904.	Difference--	(6-6-7)	+1,084	+2	+72
Used by E. L. Talbot, Cloverdale.					
ST. ALBANS GLAMOUR G. VAL 454608-----	7 daughters-	11	7,795	5.1	397
Preliminary proof, 1-31-56; ; Ill.	7 dams-----	29	8,302	5.1	425
Born, 7-8-49; sire, 319076; dam, 1102313.	Difference--	(2-4-2)	-507	.0	-28
Used by John & Fred Ostrodka, Sandoval.					
SIKCO GOLDEN MAXIM 384844 *June 53**-----	21 daughters	41	8,117	5.2	426
Born, 3-18-46; proved, 1-24-56; ; N. C.	21 dams-----	104	9,026	5.2	470
Sire, 272738; dam, 708551.	Difference--	(5-11-8)	-909	.0	-44
Used by Dr. T. E. Sikes, Greensboro.					
STERLINGOLD MARKSMAN 433930*Aug. 54**--	15 daughters	25	9,979	4.9	487
Preliminary proof, 1-31-56;	14 daughters	24	10,029	4.9	490
Born, 6-1-48; sire, 362350; dam, 815060.	14 dams-----	47	9,206	5.1	468
Used by American Breeders Service, Ind.	Difference--	(11-5-9)	+823	-.2	+22
(A. B. A.)					
STORRS BRIGADIER JUSTICE 454143-----	5 daughters-	5	5,961	4.6	273
Preliminary proof, 1-31-56; dead; Conn.	5 dams-----	28	6,710	4.7	317
Born, 7-10-49; sire, 385815; dam, 919037.	Difference--	(2-2-1)	-749	-.4	-44
Used by F. N. Weingart & Son, Torrington.					
SUNBEAM OF GLENVISTA 385730-----	29 daughters	58	6,346	5.2	329
Born, 12-8-45; proved, 1-31-56; ; Va.	10 daughters	21	6,512	5.3	346
Sire, 345660; dam, 734321.	10 dams-----	35	7,382	4.9	359
Used by L. M. Pangles & Sons, Strasburg.	Difference--	(4-10-6)	-870	+4	-13
TARBELL BRIGHT LARCHMONT 422538					
*Apr. 55**-----	27 daughters	49	10,454	4.8	499
Born, 11-12-46; proved, 1-24-56;	18 daughters	35	10,555	4.8	502
Sire, 276038; dam, 904261.	18 dams-----	49	10,206	5.0	513
Used by Wis. Scientific Breeding Institute, Wis.	Difference--	(10-6-8)	+349	-.2	-11
(A. B. A.).					
THURSTONIA MAJOR 408683-----	9 daughters-	15	8,110	4.5	365
Preliminary proof, 1-31-56; ; Maine	8 daughters-	14	8,216	4.5	368
Born, 3-19-47; sire, 365091; dam, 806171.	8 dams-----	18	7,644	4.2	322
Used by Paul C. Thurston, Bethel.	Difference--	(5-5-6)	+572	+3	+46
U. OF M. GWEN'S JETHRO 401063*Aug. 55**--	24 daughters	49	8,182	5.0	412
Born, 10-13-46; proved, 1-24-56;	20 daughters	38	8,190	5.0	413
Sire, 224888; dam, 944726.	20 dams-----	50	8,933	5.0	445
Used by Wis. Scientific Breeding Institute, Wis.	Difference--	(9-14-9)	-743	.0	-32
(A. B. A.).					
URBANDALE PROFESSOR GEORGIE 382028-----	8 daughters-	27	8,599	4.9	426
Preliminary proof, 1-31-56; ; Wis.	5 daughters-	17	8,510	5.0	421
Born, 8-16-45; sire, 317207; dam, 854855.	5 dams-----	15	9,432	5.1	483
Used by Wilbur J. Becker, Colby.	Difference--	(3-1-2)	-922	-.1	-62
WALKER FARMS PIPER PLAINSMAN 450606*--	6 daughters-	7	8,471	5.2	442
Preliminary proof, 1-31-56; ; Kans.	6 dams-----	22	6,921	4.9	338
Born, 4-16-49; sire, 281537; dam, 934043.	Difference--	(4-5-5)	+1,550	+3	+104
Used by Earnest Adams, Newton.					

GUERNSEY SIRES	Animals	Records averaged	Milk	Test	Fat
	Number	Number	lb.	%	lb.
WELCOME IN CLARION 401887 -----	5 daughters-	11	9,926	4.5	451
Preliminary proof, 1-31-56; ; Ind.	5 dams-----	8	10,373	4.5	469
Born, 8-24-46; sire, 287402; dam, 810043.	Difference--	(3-3-3)	-447	0	-18
Used by Dallas Livingston, Hillsboro.					
WESTLYNN NEBRASKA 458454-----	8 daughters-	9	9,583	5.0	481
Preliminary proof, 1-31-56; ; Idaho.	6 daughters-	7	9,858	5.2	510
Born, 10-10-49; sire, 431889; dam, 744448.	6 dams-----	24	8,811	5.1	450
Used by L. A. Fairbanks, Boise.	Difference--	(5-3-5)	+1,047	+1	+60
WINDY HEIGHTS LEVITY KING 423896-----	6 daughters-	14	8,449	4.6	392
Preliminary proof, 1-31-56; ; Ohio.	5 daughters-	9	8,218	4.6	374
Born, 11-12-45; sire, 306889; dam, 800999.	5 dams-----	22	8,262	4.7	388
Used by Paul Stebbins, Farmersville.	Difference--	(2-3-2)	-44	-.1	-14

HOLSTEIN SIRES

AMCANA DUKE PATRICK 1038963-----	8 daughters-	12	12,709	3.5	448
Preliminary proof, 1-31-56; ; Maine.	6 daughters-	8	12,674	3.5	446
Born, 6-9-48; sire, 1001985; dam, 2410519.	6 dams-----	23	11,865	3.7	438
Used by Beverly P. Rand, Sherman Mills.	Difference--	(4-1-4)	+809	-.2	+8
AMOS RAG APPLE STERLING 1105138** -----	5 daughters-	5	11,996	3.7	444
Preliminary proof, 1-31-56; ; Mich.	5 dams-----	11	11,361	3.5	399
Born, 8-2-49; sire, 934505; dam, 2683426.	Difference--	(3-3-3)	+635	+.2	+45
Used by Kenneth Schultz, Merrill.					
ASHMEADOW KING SEGIS DICK 1079040-----	13 daughters	17	10,113	4.1	412
Born, 9-14-47; proved, 1-31-56; ; Vt.	12 daughters	16	10,281	4.1	417
Sire, 845504; dam, 2461605.	12 dams-----	47	9,985	3.9	393
Used by E. T. Hubbard, Putney.	Difference--	(6-9-5)	+296	+.2	+24
ASHVALE DENNING RAG APPLE STAR 1066142-----	6 daughters-	9	12,101	3.8	454
Preliminary proof, 1-31-56; ; Va.	6 dams-----	19	13,118	3.5	458
Born, 11-11-48; sire, 1008255; dam, 2331116.	Difference--	(2-5-3)	-1,017	+.3	-4
Used by W. J. Smith, Culpeper.					
BALL FARM TEXAL PRINCE 1048688 -----	9 daughters-	15	13,365	3.7	496
Preliminary proof, 1-31-56; dead; Ind.	9 dams-----	34	14,137	3.5	496
Born, 6-7-48; sire, 980126; dam, 2754673.	Difference--	(2-9-4)	-772	+.2	0
Used by Russel Pattison, Summitville.					
BARNARD ALMA BUSTER 1118146-----	7 daughters-	7	13,170	4.0	521
Preliminary proof, 1-31-56; ; Ill.	7 dams-----	27	13,636	3.9	534
Born, 2-21-50; sire, 921892; dam, 2336227.	Difference--	(4-4-3)	-466	+.1	-13
Used by Alfred Ames, Zion.					
BAVELAS HAZELWOOD BURKE DAY 1093595--	6 daughters-	8	10,214	3.7	379
Preliminary proof, 1-31-56; ; Utah.	6 dams-----	8	8,947	3.6	326
Born, 1-7-49; sire, 931514; dam, 2357181.	Difference--	(6-4-5)	+1,267	+.1	+53
Used by Harmon E. Day, Draper.					
BLUHM KORNDYKE BURKE FOBES 1048412---	5 daughters-	5	13,268	3.7	495
Preliminary proof, 1-31-56; ; Mo.	5 dams-----	9	11,588	3.6	419
Born, 4-30-48; sire, 835637; dam, 2538461.	Difference--	(4-3-4)	+1,680	+.1	+76
Used by Emil Heimsoth, Higginsville.					
BRACKEL FARM MONTVIC P F ROY 1057359--	5 daughters-	5	12,890	3.7	478
Preliminary proof, 1-31-56; ; N. Y.	5 dams-----	17	12,923	4.1	535
Born, 4-14-48; sire, 833681; dam, 2436893.	Difference--	(3-0-2)	-33	-.4	-57
Used by B. H. Decker, Walden.					
BREEZY LANE SIR MODEL DIAMOND 1073428** -----	5 daughters-	5	13,113	3.6	475
Preliminary proof, 1-24-56; ; Kans.	5 dams-----	17	11,321	3.4	385
Born, 1-1-49; sire, 736132; dam, 2395185.	Difference--	(3-4-4)	+1,792	+.2	+90
Used by Donald & Roy Hopkins, Clearwater.					
BROADFIELD TOWNSHEND BURKE 1114480---	6 daughters-	9	12,803	3.8	486
Preliminary proof, 1-31-56; ; Vt.	6 dams-----	26	12,689	3.7	469
Born, 1-6-48; sire, 904086; dam, 2666424.	Difference--	(4-4-3)	+114	+.1	+17
Used by Morgan Holstein Farm, Townshend.					
BROWNEDELL TOVARICH PONTIAC 1067838----	8 daughters-	9	10,433	3.7	387
Preliminary proof, 1-31-56; ; Ill.	5 daughters-	6	9,771	3.7	363
Born, 3-5-48; sire, 930989; dam, 2062723.	5 dams-----	12	9,179	3.6	330
Used by Edward G. Brown, Caledonia.	Difference--	(3-4-3)	+592	+.1	+33

HOLSTEIN SIREs	Animals	Records averaged	Milk	Test	Fat
	Number	Number	lb.	%	lb.
BURKE INKA ORMSBY DUKE 1107626-----	9 daughters-	13	10,238	3.5	361
Preliminary proof, 1-31-56; ; Utah.	6 daughters-	8	10,961	3.5	386
Born, 12-3-48; sire, 996130; dam, 3153555.	6 dams-----	8	10,438	3.5	365
Used by John M. Hardy, Brigham City.	Difference--	(4-5-4)	+523	.0	+21
CAMPTON HILLS MONTVIC KING 1102948 ----	6 daughters-	9	10,003	4.1	415
Preliminary proof, 1-31-56; ; Ill.	6 dams-----	24	13,375	3.8	506
Born, 10-23-48; sire, 853346; dam, 2353846.	Difference--	(0-6-1)	-3,372	+.3	-91
Used by Campton Hills Farm, Elburn.					
CAMPTON HILLS MONTVIC PERFECTION					
951291-----	21 daughters-	26	10,628	3.6	384
Born, 7-1-45; proved, 1-31-56; ; Ill.	21 dams-----	80	12,521	3.5	432
Sire, 808860; dam, 2114486.	Difference--	(3-18-5)	-1,893	+.1	-48
Used by Illinois State Penitentiary, Joliet.					
CARNATION JUPITER 950707*Aug. 54** -----	8 daughters-	18	12,653	3.8	485
Preliminary proof, 1-24-56;	8 dams-----	39	13,293	3.5	459
Born, 8-5-45; sire, 698462; dam, 1935599.	Difference--	(4-8-6)	-640	+.3	+26
Used by Wis. Scientific Breeding Institute, Wis (A. B. A.).					
CARNATION REVELATION RADAR 1132987** -	8 daughters-	12	12,178	3.8	458
Preliminary proof, 1-31-56; alive ; Utah.	7 daughters-	11	12,082	3.8	458
Born, 1-15-49; sire, 943802; dam, 2595633.	7 dams-----	20	11,626	3.7	428
Used by William Hess, Lewiston.	Difference--	(3-6-4)	+456	+.1	+30
ASHMAN GRACEFUL PAUL 1103803** -----	5 daughters-	5	16,047	3.9	580
Preliminary proof, 1-31-56; ; N. Y.	5 dams-----	20	12,991	3.5	460
Born, 1-27-50; sire, 1020473; dam, 3017080.	Difference--	(4-5-5)	+2,056	+.4	+120
Used by Glen Arden Farms, Pawling.					
CLARIDGE ADMIRAL CONQUEROR 1145365-----	5 daughters-	10	15,070	3.7	556
Preliminary proof, 1-31-56; ; N. Y.	5 dams-----	20	13,187	3.7	484
Born, 8-29-46; sire, 784407; dam, 2464981.	Difference--	(5-3-5)	+1,883	.0	+72
Used by C. E. Eldridge, Pine Plains.					
CLYDE HILL FAVORITE ROXINA LAD					
1038446 -----	6 daughters-	8	13,973	3.6	508
Preliminary proof, 1-31-56; ; Nebr.	6 dams-----	13	11,750	3.9	454
Born, 3-29-48; sire, 813522; dam, 2450073.	Difference--	(4-2-4)	+2,223	-.3	+54
Used by Gerald Armstrong, Auburn.					
CLYDE HILL VICTOR NINA TIDY ROCK					
1038449 -----	15 daughters	19	12,417	3.8	468
Born, 3-20-48; proved, 1-31-56; ; Nebr.	13 daughters	16	12,528	3.7	466
Sire, 960375; dam, 2393209.	13 dams-----	47	11,435	3.4	392
Used by Father Flanagan's Boys' Home, Boys Town.	Difference--	(9-12-8)	+1,093	+.3	+74
CONFIDEEN MELODY MASTER 967873					
*Sept. 54** -----	27 daughters	42	13,136	3.5	462
Born, 4-8-46; proved, 1-24-56; alive;	22 daughters	34	12,904	3.5	453
Sire, 934486; dam, 2118378.	22 dams-----	94	12,032	3.5	418
Used by American Breeders Service, Ind. (A. B. A.).	Difference--	(14-12-14)	+872	.0	+35
CURTISS CANDY MASTERPIECE 978750**-----	50 daughters	59	10,978	3.7	407
Born, 6-27-46; AB proof, 1-31-56;	50 dams-----	142	12,227	3.5	431
Sire, 919604; dam, 1661625.	Difference--	(16-37-16)	-1,249	+.2	-24
Used by Curtiss Candy Co., Ill. (A. B. A.).					
DAHLWOOD KORNDYKE CHAMPION 1081263--	6 daughters-	7	8,367	3.9	324
Preliminary proof, 1-31-56; ; Minn.	6 dams-----	15	10,143	3.9	400
Born, 4-21-49; sire, 829768; dam, 2527688.	Difference--	(1-4-3)	-1,776	.0	-76
Used by Frank Johnson, Biscay.					
DAIRY-DELL AIMWOOD BUTTER BOY 1068898-	5 daughters-	5	13,000	3.5	456
Preliminary proof, 1-31-56; ; Ohio.	5 dams-----	18	12,941	3.5	447
Born, 3-27-49; sire, 938151; dam, 2019564.	Difference--	(2-3-3)	+119	.0	+9
Used by Wesemeyer Brothers, Grafton.					
DE KOL RAG APPLE KAYBURN 1132749 -----	7 daughters-	7	11,593	3.5	401
Preliminary proof, 1-31-56; ; Vt.	5 daughters-	5	12,168	3.2	393
Born, 10-4-49; sire, 200393 CHB;	5 dams-----	7	11,224	3.5	389
dam, 675991 CHB.	Difference--	(2-1-2)	+944	-.3	+4
Used by George & James Hayes, Enosburg Falls.					

HOLSTEIN SIRES	Animals	Records averaged	Milk	Test	Fat
	Number	Number	lb.	%	lb.
DINGLE RIDGE ECU DAR SALADIN BASIL					
1036180*Aug. 54**	22 daughters	38	12,137	3.9	471
Born, 9-8-47; proved, 1-31-56; ; Md.	22 dams----	108	10,152	3.9	399
Sire, 951755; dam, 2641793.	Difference--	(20-10-17)	+1,985	.0	+72
Used by G. D. Moomaw & Son, Phoenix.					
ECHORIDGE ORMSBY BURKE NEPTUNE					
952029*Aug. 53**	16 daughters	35	14,696	3.7	537
Preliminary proof, 1-31-56;	13 daughters	30	14,582	3.6	526
Born, 9-28-45; sire, 837719; dam, 2294814.	13 dams----	43	13,018	3.7	479
Used by Wis. Scientific Breeding Inst., Wis.	Difference--	(10-7-9)	+1,564	-.1	+47
(A. B. A.)					
ELBANNER BESS ORMSBY NORMAN 1141652					
1141652	--17 daughters	38	11,570	3.5	404
Born, 7-18-47; proved, 1-31-56; ; N. Y.	14 daughters	34	11,662	3.5	412
Sire, 737915; dam, 2379183.	14 dams----	31	13,422	3.5	465
Used by Ronald Burrows, Elba	Difference--	(5-10-3)	-1,760	.0	-53
ELECT RAG APPLE SUPREME 1009296**					
1009296**	-----13 daughters	24	10,921	3.8	413
Born, 2-22-47; proved, 1-31-56; ; W. Va.	12 daughters	22	11,124	3.8	420
Sire, 931108; dam, 2266900.	12 dams----	46	10,087	3.7	370
Used by William & Perry Simms, Lewisburg.	Difference--	(7-9-8)	+1,037	+.1	+50
FOBES COLANTHA MECHTHILDE 1060744					
1060744	----6 daughters-	7	7,992	3.6	288
Preliminary proof, 1-31-56; ; Wis.	5 daughters-	6	8,338	3.7	311
Born, 3-1-48; sire, 822837; dam, 2073478.	5 dams-----	18	8,019	3.7	297
Used by Karl Kloehn, Forest Junction.	Difference--	(4-3-5)	+319	.0	+14
FRANLO ROEBUCK REGENT 1058625					
1058625	-----19 daughters-	25	11,806	3.6	424
Born, 10-5-48; proved, 1-31-56; ; Minn.	18 daughters	24	11,736	3.6	420
Sire, 908548; dam, 2645677.	18 dams----	66	12,797	3.4	441
Used by Hansen Brothers, Raymond.	Difference--	(9-11-9)	-1,061	+.2	-21
FRICKES TRIUMPH COLANTHA IDEAL					
1104238**	-----8 daughters-	8	14,808	3.4	505
Preliminary proof, 1-31-56; ; Mich.	7 daughters-	7	14,859	3.5	516
Born, 5-10-49; sire, 901451; dam, 2624910.	7 dams-----	19	13,993	3.6	504
Used by John Fricke, Middleton.	Difference--	(4-4-3)	+866	-.1	+12
GAINLOSS TOOTSIE DICTATOR 1106032**					
1106032**	-----7 daughters-	7	13,072	3.5	455
Preliminary proof, 1-31-56; ; Ind.	7 dams-----	20	12,926	3.2	419
Born, 3-8-49; sire, 943293; dam, 2609778.	Difference--	(4-6-4)	+146	+.3	+36
Used by Ralph Howard, Howe.					
G C B CARNATION GOVERNOR CHIEFTAIN					
1012502*May 53**	-----19 daughters	36	12,145	4.1	493
Born, 5-11-47; proved, 1-31-56; ; N. Y.	16 daughters	33	12,691	4.1	522
Sire, 977276; dam, 2614649.	16 dams----	45	13,389	3.7	490
Used by Baird Farms, Inc., Holcomb.	Difference--	(5-15-10)	-698	+.4	+32
G C B FOBES CARNATION EMPEROR 997719**					
997719**	9 daughters-	14	13,227	3.6	481
Preliminary proof, 1-31-56; ; N. Y.	5 daughters-	9	13,611	3.7	502
Born, 8-30-46; sire, 799545; dam, 2432416.	5 dams-----	12	12,269	3.5	429
Used by Baird Farms, Inc., Holcomb.	Difference--	(4-4-4)	+1,342	+.2	+73
G C B WAYNE WINTERTHUR EMPEROR					
1079622	-----5 daughters-	5	10,967	3.7	404
Preliminary proof, 1-31-56; ; N. Y.	5 dams-----	18	10,624	3.7	397
Born, 4-20-49; sire, 867643; dam, 2642881.	Difference--	(3-2-2)	+343	.0	+7
Used by Carl E. Aude, Romulus.					
GLEN EDEN SKYLARK RETURN 1065421					
1065421	-----7 daughters-	8	10,689	3.6	387
Preliminary proof, 1-31-56; ; Ill.	6 daughters-	6	10,655	3.6	384
Born, 7-28-47; sire, 711381; dam, 2671546.	6 dams-----	32	11,776	3.5	413
Used by Rudy J. Durst, Princeville.	Difference--	(3-6-3)	-1,121	+.1	-29
GREENAWAY GENERAL SOVEREIGN 1063481					
1063481	--6 daughters-	9	10,786	3.4	369
Preliminary proof, 1-31-56; ; N. Y.	6 dams-----	26	11,191	3.5	390
Born, 2-25-49; sire, 977110; dam, 2411455.	Difference--	(2-3-2)	-405	-.1	-21
Used by Willard Fitch, Bridgewater.					
HARDEN FARMS DEEN FIFTY-ONE 1094964					
1094964	---13 daughters	15	11,732	3.7	430
Born, 8-19-48; proved, 1-31-56; ; N. Y.	12 daughters	13	11,764	3.7	431
Sire, 877828; dam, 2030788.	12 dams----	35	12,354	3.6	445
Used by Clifton Timmerman #2, Lagrangeville.	Difference--	(3-9-5)	-590	+.1	-14
HAWKHERST EMPEROR EMILE 1063959					
1063959	-----6 daughters-	8	14,995	3.7	560
Preliminary proof, 1-31-56; ; N. Y.	6 dams-----	30	15,278	3.8	583
Born, 8-24-48; sire, 758689; dam, 541918 CHB.	Difference--	(2-4-2)	-283	-.1	-23
Used by Henry Lane, Dundee.					

HOLSTEIN SIRES	Animals	Records averaged	Milk	Test	Fat
	Number	Number	lb.	%	lb.
HAZELWOODER BURKE TIDY PONTIAC					
1077097** -----	15 daughters	15	11,600	3.7	430
Preliminary proof, 1-24-56; ; Kans.	7 daughters-	7	11,954	3.8	457
Born, 7-21-48; sire, 866497; dam, 2918802.	7 dams-----	7	11,661	3.6	421
Used by Earl Benjamin, Garnett.	Difference--	(4-6-5)	+293	+2	+36
HERPHANBA HOME ORMSBY GOVERNOR					
1094394 -----	8 daughters-	9	13,774	3.8	521
Preliminary proof, 1-31-56; dead; Ind.	8 dams-----	27	15,676	3.4	538
Born, 2-19-49; sire, 812359; dam, 2801646.	Difference--	(2-7-5)	-1,902	+4	-17
Used by Therl Jackson, Yorktown.					
HILLDALE DE KOL ORMSBY FOBES 1074534	5 daughters-	6	12,217	3.6	440
Preliminary proof, 1-31-56; ; Mich.	5 dams-----	6	13,513	3.3	446
Born, 4-1-47; sire, 996369; dam, 2050228.	Difference--	(1-5-2)	-1,296	+3	-6
Used by Robert Hunt, Eaton Rapids.					
ILEANA ASTREA COMMANDER 1074823	7 daughters-	8	11,712	3.6	425
Preliminary proof, 1-31-56; ; Ill.	6 daughters--	7	11,459	3.7	420
Born, 5-28-49; sire, 927672; dam, 2404003.	6 dams-----	10	12,970	3.6	473
Used by Rainbow Dairy Farm, Elgin.	Difference--	(1-4-1)	-1,511	+1	-53
IMPERIAL PROSPECT CHIEFTAIN 962207	8 daughters-	8	11,099	3.3	371
Preliminary proof, 1-31-56; ; Utah.	6 daughters-	6	10,825	3.3	359
Born, 6-24-45; sire, 828805; dam, 2068786.	6 dams-----	19	11,303	3.2	366
Used by Fenton McFarland, Brigham City.	Difference--	(4-4-3)	-478	+1	-7
ISLAND ROAD EXCELSIOR 1112532**	5 daughters-	6	13,786	3.5	482
Preliminary proof, 1-31-56; ; Mich.	5 dams-----	14	13,686	3.6	495
Born, 4-17-49; sire, 844849; dam, 2589546.	Difference--	(3-1-3)	+100	-1	-13
Used by Ward Lewis & Son, Elsie.					
JUSTFLO OSCAR BELMONT FOBES 1109399	5 daughters-	5	10,396	3.6	371
Preliminary proof, 1-31-56; ; Wis.	5 dams-----	14	11,392	3.7	425
Born, 11-11-49; sire, 992853; dam, 2926704.	Difference--	(3-2-1)	-996	-1	-54
Used by Peter Just, Chilton					
KNOLLWOOD CHIEFTAIN SARCASTICAL					
(TWIN) 890181*June 53** -----	32 daughters	74	13,046	3.9	504
Born, 3-25-43; proved, 1-24-56; alive	28 daughters	58	12,877	3.9	500
Sire, 695631; dam, 2307347.	28 dams-----	100	12,919	3.5	453
Used by American Breeders Service, Ind.	Difference--	(16-21-20)	-42	+4	+47
(A. B. A.).					
LEET MIDKIFF MONTY 1055248	5 daughters-	13	9,962	3.7	369
Preliminary proof, 1-31-56; ; Pa.	5 dams-----	16	12,179	3.3	398
Born, 4-13-47; sire, 894350; dam, 1964638.	Difference--	(0-4-3)	-2,217	+4	-29
Used by C. Leroy Coleman, Jr., Montrose.					
LILACVALLEY TRIUNE BUSTER 1067062	5 daughters-	6	12,983	3.4	443
Preliminary proof, 1-31-56; ; Kans.	5 dams-----	20	10,193	4.0	403
Born, 12-8-48; sire, 1001129; dam, 2407891.	Difference--	(4-0-4)	+2,790	-6	+40
Used by Wilbur Sloan, Cleveland.					
LINSTEAD HILL JOHANNA BEARD 1237745	18 daughters	25	9,582	3.9	375
Born, 6-1-44; proved, 1-31-56; ; Va.	11 daughters	16	9,683	3.9	373
Sire, 827151; dam, 2173845.	11 dams-----	19	9,408	3.7	351
Used by F. B. Tate, Bland.	Difference--	(7-8-8)	+275	+2	+22
LUCK BROS EL SENTINAL 1084502	12 daughters	15	11,491	3.7	426
Born, 8-30-49; proved, 1-31-56; alive; Va.	11 daughters	13	11,796	3.7	438
Sire, 863709; dam, 2570082.	11 dams-----	26	10,376	3.9	402
Used by G. O. Pettus, Keysville.	Difference--	(8-4-6)	+1,420	-2	+36
MADCAP GOVERNOR CHIEF 1113759	5 daughters-	5	11,254	3.5	397
Preliminary proof, 1-31-56; ; Utah.	5 dams-----	8	9,593	3.6	342
Born, 7-4-49; sire, 740309; dam, 2491236.	Difference--	(4-2-3)	+1,661	-1	+55
Used by Alfred Lippold, Salt Lake City.					
MANCRYCO GOVERNOR RUDY 1021367	10 daughters	10	14,133	3.6	514
Preliminary proof, 1-31-56; ; Ill.	9 daughters-	9	13,945	3.7	516
Born, 11-16-47; sire, 918396; dam, 2548210.	9 dams-----	27	15,794	3.6	561
Used by Fred Brown, Williamsfield.	Difference--	(2-4-2)	-1,849	+1	-45
MANFDELL WAYNE PIETERTJE 1089105	5 daughters-	5	13,533	3.6	487
Preliminary proof, 1-31-56; ; Iowa.	5 dams-----	10	15,415	3.7	570
Born, 7-12-49; sire, 823785; dam, 2716131.	Difference--	(1-2-1)	-1,882	-1	-83
Used by Melvin Inman, Humboldt.					

HOLSTEIN SIREs	Animals	Records averaged	Milk	Test	Fat
	Number	Number	lb.	%	lb.
MENDOCINO REPRESA JAY LAD 1090818-----	12 daughters	16	14,899	3.8	573
Born, 2-10-49; proved, 1-31-56; ; Calif.	12 dams-----	35	13,851	3.8	522
Sire, 1000729; dam, 2862587.	Difference--	(7-9-9)	+1,048	.0	+51
Used by California State Prison, San Quentin.					
MIKE BAKER SOLDENE 1093602-----	7 daughters-	8	11,256	4.1	461
Preliminary proof, 1-31-56; ; Maine.	7 dams-----	32	12,883	3.6	469
Born, 5-10-49; sire, 884838; dam, 2170481.	Difference--	(2-7-3)	-1,627	+.5	-8
Used by Alton Benson, Jr., Gorham.					
MIN. JOW CREEK EDEN RE-GRAND 1001512**--	11 daughters	13	9,893	4.0	391
Preliminary proof, 1-31-56;	5 daughters-	5	10,475	3.9	413
Born, 4-14-46; sire, 906000; dam, 2542101.	5 dams-----	12	13,815	3.5	480
Used by Curtiss Candy Co., Ill. (A. B. A.).	Difference--	(2-5-2)	-3,340	+.4	-67
N J E S CONQUEROR ADELIN OMEGA 953325					
*Feb. 54** -----	19 daughters	46	13,392	3.9	520
Born, 7-6-45; proved, 1-31-56; ; N. Y.	19 dams-----	86	13,536	3.7	497
Sire, 673525; dam, 1820752.	Difference--	(9-17-12)	-144	+.2	+23
Used by Kent Whipple, Savannah.					
ORMSBY DELLFIELD PRINCE 1028087-----	17 daughters	25	16,088	3.4	551
Born, 1-23-46; proved, 1-31-56; ; Calif.	10 daughters	15	16,753	3.3	558
Sire, 871389; dam, 2179472.	10 dams-----	34	15,247	3.6	554
Used by John J. Vierra, Livingston.	Difference--	(6-2-4)	+1,506	-.3	+4
ORMSBY GENERAL AAGGIE 1074528-----	9 daughters-	15	12,101	3.6	436
Preliminary proof, 1-31-56; ; Iowa	9 dams-----	42	13,950	3.5	495
Born, 11-16-48; sire, 955805; dam, 2106954.	Difference--	(1-6-2)	-1,849	+.1	-59
Used by George Becker, Watkins.					
ORMSBY PERFECTION FOBES PRIDE 1049382-	6 daughters-	8	11,157	3.6	398
Preliminary proof, 1-31-56; ; Ill.	6 dams-----	18	12,016	3.6	428
Born, 4-14-48; sire, 928113; dam, 2557621.	Difference--	(3-4-2)	-859	.0	-30
Used by Gletty & Puffy, Somonauk.					
OSBORNDAL E FOBES SIR ORMSBY 1104797**--	15 daughters	15	12,988	3.9	508
Born, 11-20-49; proved, 1-31-56;	13 daughters	13	12,788	3.9	499
Sire, 934577; dam, 2072102.	13 dams-----	38	12,992	3.7	480
Used by Lehigh Valley Co-op. A. B. A., Pa.	Difference--	(7-11-8)	-204	+.2	+19
OSBORNDAL E SIR ORMSBY OLIVER 1069905---	13 daughters	16	13,529	3.7	501
Born, 9-3-48; proved, 1-31-56; ; N. Y.	12 daughters	14	13,503	3.7	502
Sire, 760725; dam, 2320930.	12 dams-----	41	13,704	3.5	476
Used by S. Fisher, Hamilton.	Difference--	(5-10-8)	-201	+.2	+26
PABST BURKE BELMONT PRIDE 865323					
*Mar. 54** -----	28 daughters	43	12,587	3.9	489
Born, 12-3-42; proved, 1-24-56; alive;	18 daughters	31	13,212	3.9	520
Sire, 697789; dam, 2181827.	18 dams-----	47	12,547	3.7	459
Used by American Breeders Service, Ind. (A. B. A.).	Difference--	(14-12-14)	+665	+.2	+61
PABST COMRE 1061148-----	8 daughters-	9	9,893	3.7	370
Preliminary proof, 1-31-56; ; Pa.	7 daughters-	8	9,839	3.7	368
Born, 12-20-48; sire, 959466; dam, 2741076.	7 dams-----	36	10,116	3.4	348
Used by Walter Scott, Elizabeth.	Difference--	(3-6-4)	-277	+.3	+20
PABST REPRIDE GLEN 984799*July 53**-----	19 daughters	33	13,265	3.7	496
Born, 11-23-46; proved, 1-24-56; alive;	18 daughters	32	13,471	3.7	505
Sire, 901195; dam, 2181831.	18 dams-----	78	14,634	3.5	516
Used by American Breeders Service, Ind. (A. B. A.).	Difference--	(6-14-8)	-1,163	+.2	-11
PENDER KANE AUDRIC ROYAL SEGIS 1113051					
*Oct. 55** -----	13 daughters	13	13,072	3.7	484
Born, 3-7-49; proved, 1-31-56; ; N. Y.	13 dams-----	74	14,929	3.8	573
Sire, 893362; dam, 1791923.	Difference--	(2-5-2)	-1,857	-.1	-89
Used by H. E. Machold # 1, Ellisburg.					
PIETJE COMMANDER 1134664-----	6 daughters-	12	11,032	3.6	403
Preliminary proof, 1-31-56; ; Va.	6 dams-----	16	9,210	3.5	327
Born, 6-1-45; sire, 146799 CHB; dam, 2583253.	Difference--	(4-4-5)	+1,822	+.1	+76
Used by W. L. Dickenson, Cullen.					
PRINCE RIVERMEAD DEWDROP (TWIN)					
948046-----	13 daughters	24	8,672	3.5	306
Preliminary proof, 1-31-56; ; Maine.	7 daughters-	14	8,594	3.6	306
Born, 9-17-45; sire, 871897; dam, 1863397.	7 dams-----	21	9,335	3.6	340
Used by J. W. Donavan, Dixmont.	Difference--	(1-2-1)	-741	.0	-34

HOLSTEIN SIRES		Animals	Records averaged	Milk	Test	Fat
		Number	Number	lb.	%	lb.
RANDOLPH MONTVIC PARAGON 1057171-----		11 daughters	11	11,080	3.3	365
Born, 7-28-48; proved, 1-31-56; ; Va.		10 daughters	10	10,917	3.3	360
Sire, 852111; dam, 2589583.		10 dams----	17	11,176	3.3	374
Used by W. S. Barksdale, Randolph.		Difference--	(4-3-4)	-259	.0	-14
RASUM JOE DE KOL ORMSBY 1095963-----		14 daughters	14	10,085	3.9	388
Born, 7-11-48; proved, 1-31-56; ; Wis.		12 daughters	12	9,930	3.9	385
Sire, 971939; dam, 2350750.		12 dams----	36	9,437	3.6	343
Used by John Schulz, Random Lake.		Difference--	(9-10-9)	+493	+3	+42
REX CREAMELLE IDEAL 933142-----		7 daughters-	10	10,064	3.7	368
Preliminary proof, 1-31-56; ; Mo.		5 daughters-	7	9,715	3.8	367
Born, 12-23-44; sire, 901451; dam, 2198459.		5 dams-----	13	13,681	3.4	464
Used by C. C. Bretches, Grandview.		Difference--	(1-5-1)	-3,966	+4	-97
ROLLING KNOLL MAT PONTIAC 1059065 -----		5 daughters-	6	11,257	3.7	414
Preliminary proof, 1-31-56; alive; Md.		5 dams-----	21	12,852	3.6	463
Born, 1-12-49; sire, 943351; dam, 2647894.		Difference--	(1-4-2)	-1,595	+1	-49
Used by Roland Pool, Westminster.						
RUTHERGLEN FOBES SELECT MAJOR						
1024824 -----		21 daughters	34	10,978	3.5	389
Born, 12-17-46; proved, 1-31-56; ; Pa.		18 daughters	27	11,000	3.5	385
Sire, 940447; dam, 1971192.		18 dams----	75	12,485	3.5	435
Used by Woodson Farm, Pennsburg.		Difference--	(5-11-5)	-1,485	.0	-50
SEVENS ORMSBY PRAIRIE JASPER 1088444---		6 daughters-	6	15,565	3.6	560
Preliminary proof, 1-31-56; ; Wis.		5 daughters-	5	15,357	3.7	562
Born, 10-27-49; sire, 757596; dam, 2658321.		5 dams-----	16	14,990	3.7	549
Used by Oswald Nelson, Baldwin.		Difference--	(3-4-3)	+367	.0	+13
SKOKIE PRINCE OF ELMWOOD 1032765 -----		14 daughters	18	10,979	3.3	363
Born, 2-23-48; proved, 1-31-56; ; Okla.		13 daughters	17	11,110	3.3	367
Sire, 915469; dam, 2305670.		13 dams----	53	10,092	3.7	376
Used by Y. T. Park, Skiatook.		Difference--	(9-2-7)	+1,018	-.4	-9
STUMPF ACRES RAY-VAR HOMESTEAD						
1068822-----		6 daughters-	6	11,795	3.5	413
Preliminary proof, 1-31-56; ; Pa.		5 daughters-	5	11,449	3.5	402
Born, 8-21-48; sire, 963824; dam, 2652297.		5 dams-----	17	12,307	3.3	412
Used by Harry Snodgrass, Woodbine.		Difference--	(2-5-2)	-858	+2	-10
SUNNY SIDE CHIEF JAMES 1091519-----		5 daughters-	6	8,104	3.8	305
Preliminary proof, 1-31-56; ; Pa.		5 dams-----	15	8,783	3.5	309
Born, 11-10-49; sire, 833907; dam, 2433252.		Difference--	(2-4-2)	-679	+3	-4
Used by J. N. Kendall, Blairsville.						
TERRACE FARM ORMSBY KING BESS 1059112-		10 daughters	15	8,790	3.6	318
Preliminary proof, 1-31-56; ; Pa.		7 daughters-	11	8,499	3.6	305
Born, 9-13-47; sire, 941378; dam, 2596447.		7 dams-----	23	9,448	3.7	350
Used by Dwight King, Spartansburg.		Difference--	(2-3-2)	-949	-.1	-45
TIETON JOEL BUTTER KING PIEBE 1092639--		12 daughters	13	12,494	3.3	417
Born, 11-19-49; proved, 1-31-56; ; Wash.		10 daughters	11	12,686	3.3	423
Sire, 990450; dam, 2833850.		10 dams----	39	13,366	3.5	474
Used by John Brood, Moscow, Idaho.		Difference--	(6-4-5)	-680	-.2	-51
TULANE ORMSBY PIETERTJE 996384						
*May 54**-----		30 daughters	41	12,522	3.6	457
Born, 3-8-47; proved, 1-24-56; dead;		29 daughters	39	12,536	3.7	458
Sire, 751641; dam, 2430373.		29 dams----	120	10,193	3.6	372
Used by La. Co-op. A.B.A., Inc., La.		Difference--	(26-15-26)	+2,343	+1	+86
TYLER FARMS RAG APPLE CHESTER						
1077175-----		13 daughters	16	10,535	3.9	414
Born, 1-6-48; proved, 1-31-56; ; Vt.		11 daughters	14	10,703	3.9	422
Sire, 827071; dam, 1791154.		11 dams----	41	11,322	3.8	430
Used by F. F. & M. F. Fuller, Middlesex.		Difference--	(3-8-4)	-619	+1	-8
VARECA POSCH ORMSBY FOBES 1100926*---		7 daughters-	7	15,284	3.5	541
Preliminary proof, 1-31-56; ; Ky.		6 daughters-	6	15,238	3.5	531
Born, 6-3-49; sire, 835919; dam 3050561.		6 dams-----	15	13,387	3.6	488
Used by W. O. Payne, Danville,		Difference--	(5-2-3)	+1,851	-.1	+43
V P I ORMSBY GALLANT 936346-----		6 daughters-	12	11,571	4.3	496
Preliminary proof, 1-31-56; ; Va.		5 daughters-	9	11,950	4.3	514
Born, 11-4-44; sire, 662364; dam, 1986377.		5 dams-----	21	11,733	3.7	439
Used by L. J. Crowgey, Wytheville.		Difference--	(3-5-5)	+217	+6	+75

HOLSTEIN SIRES	Animals	Records averaged	Milk	Test	Fat
	Number	Number	lb.	%	lb.
WARNER BROOK R A SOVEREIGN 1047954 ----	9 daughters-	12	10,907	3.7	408
Preliminary proof, 1-31-56; ; Va.	9 dams-----	31	11,097	3.6	403
Born, 4-25-48; sire, 155159 CHB;	Difference--	(3-8-4)	-190	+.1	+5
dam, 2520015.					
Used by R. E. McComb, Purcellville.					
WAYNE GRAND DIAMOND CHIEF 1107943-----	9 daughters-	11	9,847	3.5	347
Preliminary proof, 1-31-56; ; Ind.	8 daughters-	10	9,927	3.5	345
Born, 1-9-50; sire, 989399; dam, 2506462.	8 dams-----	24	10,103	3.6	367
Used by Earl Russell, Selma.	Difference--	(4-4-3)	-176	-.1	-22
WEEJOE GRACIOUS WINTORIAS 976710					
*Aug. 55** -----	30 daughters	61	13,980	3.7	522
Born, 8-30-46; proved, 1-31-56; alive.	30 dams-----	143	13,538	3.7	505
Sire, 930323; dam, 2354812.	Difference--	(17-16-17)	+442	.0	+17
Used by Central Ohio Co-op. A.B.A., Ohio.					
ZIMMERMAN PAR ABE 1063989 -----	5 daughters-	10	10,533	3.8	402
Preliminary proof, 1-31-56; ; Pa.	5 dams-----	22	13,061	3.6	469
Born, 6-18-48; sire, 834148; dam, 2691956.	Difference--	(0-5-0)	-2,528	+.2	-67
Used by Bardette Mase, Liberty.					
ZURCHER ORMSBY TRANSMITTER 1096514---	16 daughters	19	15,547	3.7	571
Born, 9-9-49; proved, 1-31-56; ; Iowa.	14 daughters	17	15,420	3.7	563
Sire, 886174; dam, 2698381.	14 dams-----	41	15,281	3.6	550
Used by Emil Zurcher & Son, Farmersburg.	Difference--	(6-9-6)	+139	+.1	+13

JERSEY SIRES

ADVANCER RECORD JESTER 497599*July 53**	25 daughters	47	9,273	5.1	469
Born, 10-1-47; proved, 1-31-56;	25 dams-----	114	8,246	5.1	423
Sire, 462656; dam, 1535136.	Difference--	(21-11-17)	+1,027	.0	+46
Used by American Breeders Service, Ind.					
(A. B. A.)					
ADVANCER SNOWBALL BLONDE 508802-----	6 daughters-	11	6,874	5.4	371
Preliminary proof, 1-31-56; ; Ohio.	5 daughters-	8	6,935	5.4	377
Born, 6-17-48; sire, 459156; dam, 1290556.	5 dams-----	17	7,093	5.1	360
Used by J. B. & L. A. Brumbaugh, Louisville.	Difference--	(2-3-4)	-158	+.3	+17
ADVANCER ZINNIA BRAVO 511968-----	6 daughters-	10	9,806	5.0	487
Preliminary proof, 1-31-56; ; Ohio.	5 daughters-	7	9,926	4.9	489
Born, 10-12-48; sire, 489191; dam, 1540125.	5 dams-----	17	10,530	4.8	507
Used by Homer & Richard Haines, Sabina.	Difference--	(1-3-3)	-604	+.1	-18
A. J. KING'S MAJESTY 526025-----	5 daughters-	5	9,631	5.1	489
Preliminary proof, 1-31-56; ; Ohio.	5 dams-----	7	8,298	5.3	444
Born, 2-4-50; sire, 484031; dam, 1624512.	Difference--	(4-2-3)	+1,333	-.2	+45
Used by Edgar Postle, Hillsboro.					
AVALON STANDARD SUMALLO 523723-----	5 daughters-	7	8,897	5.7	504
Preliminary proof, 1-31-56; ; Calif.	5 dams-----	9	8,808	5.4	477
Born, 12-8-48; sire, 502748; dam, 1614384.	Difference--	(3-5-3)	+89	+.3	+27
Used by Carl Hopson & Son, Anderson.					
BASIL DANDY SIR 514402-----	8 daughters-	8	5,906	5.1	304
Preliminary proof, 1-31-56; ; Fla.	5 daughters-	5	5,703	5.3	305
Born, 2-27-49; sire, 452066; dam, 1547048.	5 dams-----	5	6,227	4.9	303
Used by W. J. Nolan, Jacksonville.	Difference--	(2-4-2)	-524	+.4	+2
BASILEUS VALIANT VICTORY 479409 -----	6 daughters-	6	5,840	5.1	295
Preliminary proof, 1-31-56; ; Wis.	6 dams-----	24	6,914	5.3	368
Born, 4-28-46; sire, 456866; dam, 1414088.	Difference--	(2-3-1)	-1,074	-.2	-73
Used by John Kolb, Cleveland.					
BELLE'S BLUEBOY ADVANCER 478638** -----	12 daughters	14	7,186	5.5	397
Preliminary proof, 1-24-56;	8 daughters-	10	7,209	5.7	408
Born, 3-14-46; sire, 461093; dam, 1099446.	8 dams-----	27	7,379	5.4	400
Used by Kansas A. B. A., Kans.	Difference--	(2-7-4)	-170	+.3	+8
BLONDE FAUVIC EMPEROR 492695 -----	8 daughters-	19	7,167	5.7	410
Preliminary proof, 1-31-56; ; Mich.	5 daughters-	13	7,802	5.6	440
Born, 1-12-46; sire, 360122; dam, 1342298.	5 dams-----	8	6,770	4.7	320
Used by G. J. Seckinger, Manchester.	Difference--	(5-5-5)	+1,032	+.9	+120

JERSEY SIRES		Animals	Records averaged	Milk	Test	Fat
		Number	Number	lb.	%	lb.
BLONDE GLORY OF SIBLEY FARMS 497017----		6 daughters-	8	7,376	5.5	404
Preliminary proof, 1-31-56; ; Mass.		6 dams-----	18	6,905	5.2	360
Born, 1-9-47; sire, 385252; dam, 1217749.		Difference--	(4-5-5)	+471	+ .3	+44
Used by Whiting Farm, Holyoke.						
BRAMPTON B. P. FRANCIS 502926 -----		5 daughters-	6	7,788	5.3	416
Preliminary proof, 1-31-56; ; Ohio.		5 dams-----	16	7,752	4.9	377
Born, 9-13-47; sire, 104635 CJCC;		Difference--	(3-4-3)	+36	+ .4	+39
dam, 136929 CJCC.						
Used by Mayflower Farms, Pickerington.						
BRAMPTON W. R. DESIGNED 507171-----		8 daughters-	10	8,402	4.8	400
Preliminary proof, 1-31-56; ; S. C.		6 daughters-	7	8,215	4.7	388
Born, 8-8-47; sire, 101251 CJCC;		6 dams-----	18	7,259	5.2	380
dam, 95961 CJCC		Difference--	(5-1-3)	+956	- .5	+8
Used by Clarendon Plantation, Burton.						
BRAMPTON W. R. EDEN 509497 -----		6 daughters-	6	7,307	4.9	356
Preliminary proof, 1-31-56; ; Ohio.		6 dams-----	15	7,091	5.1	361
Born, 1-2-48; sire, 101251 CJCC;		Difference--	(3-4-4)	+216	- .2	-5
dam, 172988 CJCC.						
Used by Carl Buchwalter, Dalton.						
BROOKSIDE DESIGN VICTOR 493843 -----		9 daughters-	16	7,482	5.0	372
Preliminary proof, 1-31-56; ; Wash.		6 daughters-	9	8,695	5.0	337
Born, 10-13-46; sire, 422363; dam, 1294853.		6 dams-----	13	9,676	5.2	505
Used by Leo Haggard, Roy.		Difference--	(1-1-0)	-2,981	- .2	-168
COMMANDO ADVANCER FONTAINE 510131----		9 daughters-	12	7,695	5.6	435
Preliminary proof, 1-31-56; ; Mo.		6 daughters-	8	7,943	5.6	442
Born, 10-23-47; sire, 457631; dam, 1541982.		6 dams-----	20	8,519	5.4	462
Used by P. R. Smith, Joplin.		Difference--	(2-4-2)	-576	+ .2	-20
COURAGEOUS STANDARD DICK 494016-----		12 daughters	14	6,409	5.6	359
Preliminary proof, 1-31-56; ; Minn.		7 daughters-	8	6,560	5.7	373
Born, 5-1-47; sire, 446662; dam, 1337330.		7 dams-----	7	5,704	5.3	305
Used by Axel E. Carlson, Sebeka.		Difference--	(5-6-5)	+856	+ .4	+68
DAHLIA'S VOLUNTEER 519131 -----		5 daughters-	6	8,804	5.4	476
Preliminary proof, 1-31-56; ; Wis.		5 dams-----	21	9,170	5.4	491
Born, 4-5-49; sire, 397469; dam, 1165818.		Difference--	(2-3-2)	-366	.0	-15
Used by Roland Berrett, Greenwood.						
DANDY JIM PRIMATE 473070-----		9 daughters-	16	7,337	5.0	365
Preliminary proof, 1-31-56; ; Ohio.		5 daughters-	6	7,487	4.9	366
Born, 8-1-45; sire, 449210; dam, 1004547.		5 dams-----	8	8,187	5.4	443
Used by Davis & White, Ashley.		Difference--	(2-0-0)	-700	- .5	-77
DESIGN PINNACLE ROYAL 515730-----		6 daughters-	6	6,981	6.3	439
Preliminary proof, 1-31-56; ; Oreg.		5 daughters-	5	7,019	6.2	434
Born, 9-10-47; sire, 111070 CJCC;		5 dams-----	7	8,195	5.9	480
dam, 117133 CJCC.		Difference--	(1-4-1)	-1,176	+ .3	-46
Used by Keith Beckley, Troutdale.						
DESIGN VOLUNTEER IRMA PRINCE 518986		11 daughters	20	6,239	5.4	340
Preliminary proof, 1-31-56; ; Iowa.		9 daughters-	16	6,027	5.5	331
Born, 4-25-46; sire, 443567; dam, 1282936		9 dams-----	37	6,446	5.1	326
Used by Clyde Jones, Sioux Rapids.		Difference--	(4-8-6)	-419	+ .4	+5
DONNA DANDY SULTAN 480287*Jul. 54**-----		30 daughters	61	7,820	5.2	404
Preliminary proof, 1-31-56;		24 daughters	47	7,663	5.2	399
Born, 9-11-46; sire, 376838; dam, 1373367.		24 dams----	83	8,800	5.3	468
Used by American Breeders Service, Ind.		Difference--	(7-10-7)	-1,137	- .1	-69
(A. B. A.)						
DRACONIS OXFORD BELLE JESTER 518521---		5 daughters-	6	6,574	5.4	352
Preliminary proof, 1-31-56; ; N. Mex.		5 dams-----	17	7,216	5.3	382
Born, 3-4-49; sire, 482075; dam, 1480141.		Difference--	(2-4-1)	-642	+ .1	-30
Used by G. E. Peterson, Elida.						
DUKE SPARKLING NOBLEMAN 492467** -----		26 daughters	41	9,016	5.4	489
Born, 7-5-47; proved, 1-31-56; alive; Conn.		13 daughters	19	9,603	5.4	523
Sire, 452066; dam, 1271180.		13 dams-----	34	8,774	5.2	453
Used by J. H. Whitmore, Naugatuck.		Difference--	(10-10-11)	+829	+ .2	+70
FAUVIC WONDERFUL ADVANCER 511880-----		5 daughters-	7	5,761	4.8	274
Preliminary proof, 1-31-56; ; Tex.		5 dams-----	16	5,827	4.9	283
Born, 5-22-48; sire, 426334; dam, 1355529.		Difference--	(1-2-3)	-66	- .1	-9
Used by Rosenberg Farm, La Grange.						

JERSEY SIRES	Animals	Records averaged	Milk	Test	Fat
	Number	Number	lb.	%	lb.
FILLPAIL AIMING GEM 492583 -----	7 daughters-	10	6,594	5.3	352
Preliminary proof, 1-31-56; ; Calif.	5 daughters-	7	7,491	5.3	395
Born, 3-6-47; sire, 444371; dam, 1136938.	5 dams-----	14	8,641	5.1	441
Used by Early Brothers, Los Molinos.	Difference--	(1-3-1)	-1,150	+.2	-46
FILLPAIL HIGHFIELD SULTAN 521050 -----	7 daughters-	8	7,694	5.7	436
Preliminary proof, 1-31-56; ; Ga.	6 daughters-	7	7,493	5.7	428
Born, 10-9-49; sire, 400669; dam, 1162835.	6 dams-----	13	7,065	5.3	376
Used by Murphy & Hutcheson, Rossville.	Difference--	(4-4-3)	+438	+.4	+52
GARNET'S BLONDE IVY DUKE 511369 -----	5 daughters-	8	7,549	5.4	408
Preliminary proof, 1-31-56; ; Ohio.	5 dams-----	24	8,810	5.5	485
Born, 10-21-48; sire, 448721; dam, 1311398.	Difference--	(1-3-1)	-1,261	-.1	-77
Used by Ed Zeller, Paris.					
GIL-BAR FOREMOST PRINCE 490512 -----	5 daughters-	10	6,435	4.8	312
Preliminary proof, 1-31-56; ; Wis.	5 dams-----	28	6,969	5.1	352
Born, 3-27-46; sire, 456278; dam, 1366457.	Difference--	(2-1-2)	-534	-.3	-40
Used by Alfred Barloss, Jamesville.					
JOYDALE BLACK JACK 511918 -----	8 daughters-	8	6,750	5.2	350
Preliminary proof, 1-31-56; ; Tenn.	8 dams-----	25	6,975	5.0	349
Born, 10-14-48; sire, 467786; dam, 1404464.	Difference--	(2-6-5)	-225	+.2	+1
Used by Ft. Pillow State Farm, Ft. Pillow.					
OLIVER COME SON COLLEGE KING 473709 ---	18 daughters	32	7,828	5.2	404
Preliminary proof, 1-31-56; ; Wash.	5 daughters-	10	8,030	5.1	407
Born, 4-5-44; sire, 394732; dam, 1287490.	5 dams-----	11	6,749	4.8	327
Used by Walla Walla College Dairy, College Place.	Difference--	(4-3-4)	+1,281	+.3	+80
PATRIOTIC WONDER OXFORD 522353 -----	5 daughters-	6	8,401	5.5	462
Preliminary proof, 1-31-56; ; Calif.	5 dams-----	14	8,195	5.1	416
Born, 4-24-48; sire, 511689; dam, 1501520.	Difference--	(3-4-3)	+206	+.4	+46
Used by Joe Hart, Modesto.					
PINNACLE RALEIGH ROYAL 510272 -----	7 daughters-	8	6,804	4.9	336
Preliminary proof, 1-31-56; dead ; Ind.	7 dams-----	30	7,176	5.2	371
Born, 8-25-48; sire, 364827; dam, 1459582.	Difference--	(2-2-2)	-372	-.3	-35
Used by John Walter, Auburn.					
PINN BASIL SIR VALIANT OF D. H. 485200 ---	18 daughters	35	6,690	5.6	373
Born, 8-13-46; proved, 1-31-56; ; S. C.	13 daughters	24	6,574	5.5	362
Sire, 440007; dam, 1434059.	13 dams-----	43	7,741	5.6	434
Used by Furman E. Epps, Newberry.	Difference--	(1-6-2)	-1,167	-.1	-72
ROGUEKNOLL ROGUE 493502 -----	6 daughters-	10	9,052	5.2	473
Preliminary proof, 1-31-56; ; Calif.	5 daughters-	8	8,772	5.4	473
Born, 5-16-46; sire, 444481; dam, 1498438.	5 dams-----	21	10,046	5.2	520
Used by Carl Hopson & Sons, Anderson.	Difference--	(1-4-2)	-1,274	+.2	-47
ROYAL LAD PAUL OF S. F. 507479 -----	8 daughters-	11	4,853	5.4	265
Preliminary proof, 1-31-56; ; Vt.	8 dams-----	19	5,949	5.2	307
Born, 10-18-47; sire, 385252; dam, 1342512.	Difference--	(2-5-2)	-1,096	+.2	-42
Used by M. A. & E. W. Howe, Wilmington.					
ROYAL OBSERVER SOUVENIR 475375 -----	10 daughters-	22	5,919	5.4	318
Preliminary proof, 1-31-56; ; Mo.	5 daughters-	11	5,719	5.1	294
Born, 3-7-46; sire, 457678; dam, 1329308.	5 dams-----	12	6,967	5.0	345
Used by Charles G. Gauldin, Malta Bend.	Difference--	(1-5-1)	-1,248	+.1	-51
ROYAL SPARKLING VALIANT 521710 -----	6 daughters-	6	7,078	5.8	413
Preliminary proof, 1-31-56; ; N. Y.	6 dams-----	30	8,954	5.1	460
Born, 12-8-49; sire, 447693; dam, 1351316.	Difference--	(0-6-1)	-1,876	+.7	-47
Used by Gould Brothers, East Hampton.					
SIR DANDY OF BOXHALL 491035 -----	8 daughters-	13	6,522	5.3	344
Preliminary proof, 1-31-56; ; Ga.	5 daughters-	9	6,751	5.1	344
Born, 8-18-46; sire, 452066; dam, 1271177.	5 dams-----	12	6,638	5.0	329
Used by Carl R. Martin, Fayette,	Difference--	(3-3-3)	+113	+.1	+15
SPARKLING FOREMOST SIR 521019 -----	7 daughters-	7	5,378	5.3	285
Preliminary proof, 1-31-56; ; Ill.	7 dams-----	22	6,201	5.3	332
Born, 2-22-49; sire, 468945; dam, 1268451.	Difference--	(3-3-3)	-823	.0	-47
Used by Wilcox Farms, Pana.					
SYBIL OWL ESMOND 502114*June 55** -----	30 daughters	53	10,962	5.0	550
Born, 5-5-48; proved, 1-24-56; alive;	23 daughters	37	10,895	5.0	545
Sire, 396681; dam, 1390963.	23 dams-----	51	9,820	5.1	502
Used by American Breeders Service, Ind.	Difference--	(16-10-15)	+1,075	-.1	+43
(A. B. A.).					

JERSEY SIREs	Animals	Records averaged	Milk	Test	Fat
	Number	Number	lb.	%	lb.
TRINITY'S ROYAL REGAL JESTER 493057-----	8 daughters-	18	8,105	5.3	427
Preliminary proof, 1-31-56; ; Calif.	8 dams-----	44	8,305	5.4	445
Born, 2-7-47; sire, 463660; dam, 1289290.	Difference--	(4-5-4)	-200	-.1	-18
Used by Joe Hart, Modesto.					
TULIPS DESIGN GOLDEN 502891 -----	7 daughters-	9	6,635	4.9	324
Preliminary proof, 1-31-56; ; Tenn.	5 daughters-	7	6,964	4.8	333
Born, 5-10-48; sire, 434714; dam, 1472696.	5 dams-----	24	6,557	5.1	333
Used by W. W. McLean, Newbern.	Difference--	(3-2-3)	+407	-.3	0
VOLUNTEER ST. MAWES REMUS REX 506697					
*Dec. 53** -----	12 daughters	21	9,328	5.1	476
Born, 12-13-47; proved, 1-24-56; alive;	11 daughters	20	9,577	5.1	489
Sire, 455708; dam, 1506365.	11 dams----	48	9,073	5.3	481
Used by American Breeders Service, Ind.	Difference--	(7-3-5)	+504	-.2	+8
(A. B. A.).					
WELCOME CLASSIC COURAGEOUS 514980-----	5 daughters-	6	10,586	5.5	578
Preliminary proof, 1-31-56; ;	5 dams-----	19	9,403	5.4	510
Born, 4-8-49; sire, 399447; dam, 1402854.	Difference--	(5-3-4)	+1,183	+.1	+68
Used by New Hampshire - Vermont A.B.A., N. H.					
WELCOME SIEGFRIED STORM 525046** -----	13 daughters	14	9,093	5.2	473
Born, 3-16-50; proved, 1-31-56;	13 dams----	34	7,526	5.3	396
Sire, 399447; dam, 1402850.	Difference--	(10-8-9)	+1,567	-.1	+77
Used by Southeastern Pa. Co-op. A.B.A., Pa.					
WONDERFUL BINGO BART 479429 -----	6 daughters-	14	7,019	5.2	364
Preliminary proof, 1-31-56; ; Ohio.	5 daughters-	11	7,179	5.2	370
Born, 4-28-46; sire, 387422; dam, 1268247.	5 dams-----	21	7,422	5.4	398
Used by Minor Logan, Kinsman.	Difference--	(2-2-1)	-243	-.2	-28
ZINNIAS WESTERN ADVANCER 507135-----	9 daughters-	15	7,804	5.4	422
Preliminary proof, 1-31-56; ; Calif.	9 dams-----	59	8,966	5.6	502
Born, 1-9-48; sire, 478301; dam, 1506068.	Difference--	(2-5-1)	-1,162	-.2	-80
Used by Joe Hart, Modesto.					
ZORIC'S ROMANCER OF OZ 486016 -----	8 daughters-	12	7,606	5.7	434
Preliminary proof, 1-31-56; ; Ill.	6 daughters-	7	7,480	5.5	413
Born, 3-5-47; sire, 455796; dam, 1362037.	6 dams-----	16	7,674	5.3	407
Used by Robert L. Gillespie & Son, Charleston.	Difference--	(2-5-3)	-194	+.2	+6

MILKING SHORTHORN SIREs

ACTOR 33863 -----	7 daughters-	10	9,087	3.6	328
Preliminary proof, 1-31-56; ; Wis.	7 dams-----	26	7,871	3.8	297
Born, 9-26-48; sire, 2304564; dam, 1957788.	Difference--	(6-2-5)	+1,216	-.2	+31
Used by Harry Laridaen, Reedsburg.					
ADORA'S PRIME 32063 -----	5 daughters-	8	8,725	3.5	302
Preliminary proof, 1-31-56; ; Iowa.	5 dams-----	16	6,816	3.8	259
Born, 7-6-48; sire, 2335053; dam, 73964.	Difference--	(5-1-4)	+1,909	-.3	+43
Used by I. F. Meyer & Sons, McGregor.					
BURNT HILL KEYSTONE 137025-----	12 daughters	14	6,621	3.7	248
Preliminary proof, 1-31-56; ; N. C.	8 daughters-	10	6,486	3.8	248
Born, 5-6-47; sire, 2285071; dam, 2174426.	8 dams-----	16	6,477	3.7	239
Used by W. B. Austin, Jefferson.	Difference--	(4-6-4)	+9	+.1	+9
CEDARLAWN HENRI GRAND 25722** -----	7 daughters-	7	6,920	4.3	299
Preliminary proof, 1-24-56; ; Kans.	6 daughters-	6	6,708	4.3	288
Born, 9-12-48; sire, 75458; dam, 2112367.	6 dams-----	16	5,267	4.3	225
Used by Bernard Wassenberg, Marysville.	Difference--	(3-4-3)	+1,441	.0	+63
DOME ROCK REGAL STANDARD P31883 -----	6 daughters-	7	9,436	3.3	307
Preliminary proof, 1-31-56; ; Oreg.	6 dams-----	17	9,051	3.3	298
Born, 4-28-48; sire, 2355637; dam, 2210110.	Difference--	(3-3-2)	+385	.0	+9
Used by R. G. Stearns, Lebanon.					
HASTOE IMPERIAL DUKE 135065-----	10 daughters	15	7,809	3.8	300
Preliminary proof, 1-31-56; ; Kans.	6 daughters-	10	8,319	3.9	325
Born, 6-21-46; sire, 305593; dam, 193185.	6 dams-----	15	8,554	3.7	318
Used by Joe Fox, St. John.	Difference--	(1-4-2)	-235	+.2	+7

MILKING SHORTHORN SIREs	Animals	Records averaged	Milk	Test	Fat
	Number	Number	lb.	%	lb.
HAZELBROOK COMMANDER (TWIN) 115874---	6 daughters-	11	8,468	4.1	349
Preliminary proof, 1-31-56; ; Pa.	6 dams-----	24	9,515	3.9	374
Born, 1-31-47; sire, 2041035; dam, 2041036.	Difference--	(1-5-1)	-1,047	+ .2	-25
Used by Geza Szilagyi, Bath.					
KINGSDALE CHAMPION 7th 2397258-----	5 daughters-	7	7,035	4.0	282
Preliminary proof, 1-31-56; ; Ill.	5 dams-----	16	8,521	3.8	324
Born, 9-29-46; sire, 2219387; dam, 2192636.	Difference--	(1-5-1)	-1,486	+ .2	-42
Used by Wallace Baker, LeRoy.					
MILL VALLEY MINSTREL 93980 -----	11 daughters	20	7,548	3.9	297
Preliminary proof, 1-31-56; ; Mo.	5 daughters-	8	8,061	4.0	320
Born, 3-12-46; sire, 1935368; dam, 50776.	5 dams-----	5	5,815	4.1	238
Used by Marius H. Boetto, Grove, Okla.	Difference--	(4-3-4)	+2,246	- .1	+82
NOSEGAY LEADER 37810-----	5 daughters-	6	7,991	4.1	327
Preliminary proof, 1-31-56; ; Minn.	5 dams-----	20	6,524	3.9	254
Born, 12-16-48; sire, 2250302; dam, 11163.	Difference--	(5-4-5)	+1,467	+ .2	+73
Used by Paul Pierret, Jasper.					
SHAVER'S KING 36990-----	6 daughters-	8	7,794	3.9	303
Preliminary proof, 1-31-56; ; Iowa.	6 dams-----	26	7,364	3.8	280
Born, 2-24-49; sire, 2391259; dam, 29219.	Difference--	(5-5-4)	+430	+ .1	+23
Used by Harold Kling, Ft. Dodge.					
SUNNYBROOK LAD 2320714-----	10 daughters	14	8,014	3.9	313
Preliminary proof, 1-31-56; ; Minn.	7 daughters-	9	7,866	3.9	307
Born, 8-4-45; sire, 2112622; dam, 2186889.	7 dams-----	18	7,498	3.8	284
Used by Art Nuytten, Canby.	Difference--	(4-5-4)	+368	+ .1	+23
WILLO PATRIOT 587 -----	5 daughters-	6	8,220	3.7	306
Preliminary proof, 1-31-56; ; Iowa	5 dams-----	7	6,647	3.8	251
Born, 11-21-47; sire, 2336813; dam, 2124404.	Difference--	(4-3-5)	+1,573	- .1	+55
Used by Bachamn & Bachman, Clarence.					

AMERICAN DAIRY CATTLE CLUB SIREs

ECHORIDGE ORMSBY BURKE NEPTUNE 1425

(This sire is also a registered Holstein "Echoridge Ormsby Burke Neptune 952029."
Proved Sire data included in Holstein listing.)

G C B CARNATION GOVERNOR CHIEFTAIN 1707

(This sire is also a registered Holstein "G C B Carnation Governor Chieftain 1012502."
Proved Sire data included in Holstein listing.)

G C B FOBES CARNATION EMPEROR 1308

(This sire is also a registered Holstein "G C B Fobes Carnation Emperor 997719."
Proved Sire data included in Holstein listing.)

KNOLLWOOD CHIEFTAIN SARCASTICAL (TWIN) 1257

(This sire is also a registered Holstein "Knollwood Chieftain Sarcastical (Twin) 890181."
Proved Sire data included in Holstein listing.)

